

Working Document DRAFT
Major Maintenance Project Requests

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MM19 Funded Project Requests

Row #	Priority	Immediacy	Agency	Facility	Project Request Title	Funding Request	Comments	Funding Notes	Running Total
N/A	1) L/H/S	A) Now	DHS	State Training School - Eldora	Tunnel Shoring and Decentralization Design	\$ 635,000	There are five (5) locations where vehicles can pass over a section of utility tunnel that currently have wide horizontal cracks in unreinforced concrete walls. If vehicular loading is large enough the tunnel may collapse without warning. These five locations should either be closed to vehicular traffic or have wall shoring installed to prevent tunnel collapse. Also includes schematic design for the entire tunnel decentralization, which may change the current phasing plan, and detailed design for phases 1 and 2.	Funded FY19 MM19	\$ 635,000
N/A	1) L/H/S	A) Now	DVA	Iowa Veterans Home	DVA IVH Fox Retaining Wall Storm Repairs October 2018 (29C20)	\$ 275,000	The retaining wall behind the Fox Building has failed. The wall collapsed and is undermining the road which it supports. This road is utilized for commercial and emergency traffic for the Fox Building.	Funded FY19 MM19	\$ 910,000
N/A	2) Damage	A) Now	DOC	MPCF	Window Replacement - West	\$ 1,575,000	Funded additional windows that design phase determined to be in need of replacement when funding became available.	Funded FY19 MM19	\$ 2,485,000
N/A	2) Damage	A) Now	DAS	Capitol Complex	Capitol Complex Water Infiltration Remediation	\$ 510,000	July 2018 storm damage caused significant water infiltration and interior damage at the Hoover and Historical buildings. 29C20 should reimburse a majority of the cost.	Funded FY19 MM19	\$ 2,995,000
N/A	2) Damage	A) Now	DOC	IMCC	Boiler Upgrades	\$ 1,700,000	Replace current boilers and DA tanks. In 2017, 2 of the 3 boilers needed significant repairs due to interior structural damage. Currently IMCC has 3 Vapor power boilers which are undersized and operate at 70-100% load. Because of this, the facility experiences reduced steam pressure in their systems resulting in hot water fluctuations, traps working improperly and sometimes heating issues. #1 boiler is 250 hp, #2 boiler is 150 hp and #3 boiler is 150 hp. DA tanks require internal inspections (requires shut down of tank) every other year and without a redundant tank, boiler feed water is required to bypass the DA tank during the inspection. A boiler evaluation was funded in 2017 to determine scope, budget and urgency of replacement. 2 of the 3 boilers required significant repair again in 2018.	Funded FY19 MM19	\$ 4,695,000
N/A	2) Damage	A) Now	DOC	Ft Dodge CF	Building H Sewer Line Replacement	\$ 1,250,000	2017 repair of a sewer line break under the dishwasher room floor determined the cast iron pipe is deteriorated and leaking. This break was repaired but an evaluation of the entire kitchen and laundry sewer piping found breaks in multiple different areas and recommended full replacement.	Funded FY19 MM19	\$ 5,945,000
N/A	2) Damage	A) Now	IDOC	IMCC	Fire Exit and External Door on Building Replacement	\$ 360,000	IMCC has approximately 20 fire (external) exits and 4 other external doors that are in various stages of disarray. Rust is occurring on doors and door frames. Doors are also remotely operated from our Master control area and do alarm when open.	Funded FY19 MM19	\$ 6,305,000
N/A	2) Damage	A) Now	DOC	Mt. Pleasant	Replace Building 20 Roof	\$ 486,000	The roof has been patched and it is a constant patch following a rain. The roofing material is shrinking and pulling away from the parapet walls. Membrane has become detached and facility is weighting with sandbags, so full replacement is now needed.	Funded FY19 MM19	\$ 6,791,000
N/A	2) Damage	A) Now	DHS	State Training School - Eldora	Kitchen Tuckpointing	\$ 350,000	Building exterior is in critical need of tuckpointing repairs. Updated budget to cover additional tuckpointing needs - moderate to deep tuckpointing of 70% of the exterior masonry joints and replacement of 1% of the masonry due to missing or broken bricks.	Funded FY19 MM19	\$ 7,141,000
N/A	2) Damage	A) Now	DHS	WRC	Roof Replacements (Linden, 104 & 200 Franklin)	\$ 410,000	Linden roof is approximately 8,100 sf membrane roof and steel decking. Roof is delaminating and leaking. Insulation appears to be saturated, steel decking is highly corroded in several places and the plaster ceiling of the hallway below the roof is deteriorating and some areas have failed and fallen off the ceiling. 104 Franklin valleys bad, lifting, missing or damaged shingles, general wear throughout. 8/2018 significant damage and leaking after May hailstorm. 200 Franklin leak not resolved over staff bathroom, but facility plans to repair. 8/2018 began leaking in multiple areas.	Funded FY19 MM19	\$ 7,551,000
N/A	2) Damage	A) Now	DOC	Newton CF	Roof Replacements (A, H and CRC portions)	\$ 2,200,000	Building H roof has been patched and nearing the end of life cycle. FY19 facility submitted 29C20 for repair after storm damage (approximately 10 - 15% of the total roof). A roof continues to leak and efforts to repair create new leaks. CRC 8/2018 roof now has significant leaks, damaging building interior.	Funded FY19 MM19	\$ 9,751,000
N/A	2) Damage	A) Now	DAS	Capitol Complex	Replace Parking Lot 3, Including New Lighting	\$ 1,815,000	Lot 3 has buckled in several places, creating large pot holes. There are lots of sunken in spots from heavy loading and wide joint and settlement cracks. Light pole heads have been replaced	Funded FY19 MM19	\$ 11,566,000
N/A	2) Damage	A) Now	DHS	Independence	Reynolds Masonry Repair Phase 4	\$ 850,000	Areas of missing mortar and loose stone. Some gaps are so large that birds are getting into the building.	Funded FY19 MM19	\$ 12,416,000

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N/A	2) Damage	A) Now	DOC	North Central CF	Unit C Stucco	\$ 75,000	Stucco on the building is cracking and water damage is causing pieces of stucco to fall off building. Water is leaking inside the building. Repairs to the stucco is needed.	Funded FY19 MM19	\$ 12,491,000
N/A	2) Damage	A) Now	DHS	Cherokee	Patient Restroom Safety Improvements	\$ 750,000	Patient restrooms need to be remodeled to incorporate best practices in patient safety and to ensure accreditation standards are maintained. Existing restrooms have had some safety measures taken and installed. However, the environment prevents full compliance without significant remodeling/funding. Need to confirm budget for scope to comply with requirements.	Funded FY19 MM19	\$ 13,241,000
N/A	2) Damage	B) < 1 yr	DHS	State Training School - Eldora	Fire Panels Replacement	\$ 1,106,250	Installed in 1990. Twelve panels (Simplex 4001) no longer have parts available. Three panels (Simplex 4010) are difficult to find parts, beginning to experience problems. Budget is only to replace the 15 panels and associated addressable devices, more scope may be needed if the buildings are required to be brought up to code or new panels must be networked with fiberoptic cable. The headend system has already been replaced with a Notifier system that monitors all panels. If one of the previously mentioned panels were to go down, we would either not be able to fix it due to lack of parts or have to wait many weeks for parts to be found.	Funded FY19 MM19	\$ 14,347,250
N/A	2) Damage	B) <1 yr	DOC	Mt. Pleasant	Northcore and Bldg 20 Plumbing Replacement	\$ 575,000	Northcord building pipe capacity is severely diminished, drain waste vent is inadequate, pipe covering contains asbestos and will need to be abated. Building 20 pipe capacity is severely diminished, drain waste vent is inadequate, pipe covering contains asbestos and will need to be abated. Additionally the active leaks are causing facility damage. NOTE again this building will be housing minimum live outs.	Funded FY19 MM19	\$ 14,922,250
N/A	2) Damage	B) <1 yr	DHS	Cherokee	Tunnel Repairs (Ginzberg and Voldeng)	\$ 1,240,000	Evidence of water infiltration, concrete deterioration in several areas where rebar is exposed. Not critical yet (7/2014), but could deteriorate quickly and be much more expensive to replace than repair. Recent site visit determined Ginzberg tunnel is in worse shape than the Voldeng tunnel. Tunnel cap is also a sidewalk.	Funded FY19 MM19	\$ 16,162,250
N/A	2) Damage	B) <1 yr	DOC	Ft Dodge CF	Roof Replacements (C, D, E, H and Education)	\$ 2,150,000	H and C are 1996 roofs. Rubber membrane is dried out and pulling away from the leading edge of the roof, creating leaks into the space below - ongoing repairs as leaks develop. Requires leak repairs at least every Spring. D, E and M 1998 roofs are all attached. Rubber starting to crack, tears easily. Requires leak repairs at least every Spring. Skylight flashing continues to leak into building - ongoing repairs as leaks develop.	Funded FY19 MM19	\$ 18,312,250
N/A	2) Damage	B) <1 yr	DOC	Mt. Pleasant	North Core Window Replacement	\$ 725,000	The frames are heavily rusted, most windows cannot be opened. Rain and insects have points of penetration. Need to refine budget.	Funded FY19 MM19	\$ 19,037,250
N/A	2) Damage	B) <1 yr	DVA	Iowa Veterans Home	Receiving Dock Retaining Wall and Drive Replacement	\$ 270,000	The retaining wall and drive leading to the receiving dock at Quartermaster is crumbling. Rebar is showing on a retaining wall.	Funded FY19 MM19	\$ 19,307,250
N/A	N/A	N/A	DAS	Capitol Complex	Historical Building Roof and Skylight Replacement FY19	\$ 3,300,000	SF2414 Allocated up to \$3,300,000 for roof replacement	Funded FY19 MM19	\$ 22,607,250
N/A	N/A	N/A	N/A	N/A	Contingency Funds	\$ 1,892,750		Funded FY19 MM19	\$ 24,500,000
						\$ 24,500,000			

Unfunded Project Requests

Row #	Priority	Immediacy	Agency	Facility	Project Request Title	Funding Request	Comments	Funding Notes	Running Total
1	2) Damage	C) > 1 yr	DAS	Capitol Complex	Historical Building Roof and Skylight Replacement FY20	\$ 3,300,000	SF2414 allocated up to \$3,300,000 for roof replacement in FY2020.	Planned FY20	\$ 3,300,000
2	2) Damage	A) Now	DOC	Clarinda	Tuckpointing Main Building Evaluation	\$ 75,000	Need to evaluate if tuckpointing project can be done in phases and prioritize work. Water infiltration is occurring.	Planned FY20	\$ 3,375,000
3	2) Damage	A) Now	DOC	Clarinda	Replace Simplex Fire Alarm System	\$ 1,000,000	The Simplex Fire Alarm system needs to be replaced. This system is original to the building in 1995. This system is not supported by Simplex anymore and parts are no longer available. The facility has had trouble with the system not being able to give addresses or find devices that are in trouble status and we have a ground fault issue that cannot be found in a panel at H&H Trailers. Simplex is indicating that replacement is necessary.	Planned FY20	\$ 4,375,000
4	2) Damage	A) Now	DHS	Glenwood	Powerhouse Parking Lot Repair	\$ 150,000	Tear out power house parking lot and re-seal all expansion joints then overlay new parking lot with asphalt. Water currently leaks through parking lot into chiller room and across top of 480V electrical panel due to numerous areas of concrete ceiling failure. Need to confirm budget.	Planned FY20	\$ 4,525,000

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5	2) Damage	A) Now	DHS	Glenwood	Bldg. 212, 213 Tuckpointing	\$ 200,000	Buildings 212 and 213 are in dire need. Pictures of numerous areas indicate where brick and mortar is failing. Building 212 is leased space for Mills County Public Health and Building 213 is office space for GRC Quality Management.	Planned FY20	\$ 4,725,000
6	2) Damage	A) Now	DOC	ASP	Powerplant Basement Masonry Work	\$ 140,000	Severe concrete and reinforcing steel deterioration in the northeast room of the basement in the Powerhouse. The deterioration includes the elevated concrete slab, the concrete basement walls, and a concrete pilaster that is part of the exterior wall.	Planned FY20	\$ 4,865,000
7	2) Damage	A) Now	DVA	Iowa Veterans Home	Malloy Dietary Floor Partial Replacement	\$ 75,000	Water has infiltrated and stands under portions. Patches have been done, but it continues to show damage and it is a trip hazard.	Planned FY20	\$ 4,940,000
8	2) Damage	B) <1 yr	DOC	North Central CF	Tuck Pointing Living Unit D	\$ 670,000	Mortar missing and block has come loose and in the process of coming off the building due to water running into the areas that have no mortar.	Planned FY20	\$ 5,610,000
9	2) Damage	B) <1 yr	IPTV	6450 Corporate Dr	Repair Roof	\$ 65,000	To prevent ice damming on a rubber membrane roof that backs up each winter and causes leaks inside the building; four openings.	Planned FY20	\$ 5,675,000
10	2) Damage	B) <1 yr	DHS	Independence	Replace Roof on Storage Building	\$ 75,000	The roof is leaking and damaging the stored contents. The current shingles are asbestos and would need to be abated to replace with shingles. Project to evaluate options.	Planned FY20	\$ 5,750,000
11	2) Damage	B) <1 yr	DHS	Glenwood	Tunnel Repair - Lacey Street	\$ 500,000	Water infiltration deteriorating the tunnel top and pipe supports.	Planned FY20	\$ 6,250,000
12	2) Damage	B) <1 yr	DOC	Mt. Pleasant	Elevator C	\$ 487,500	Door tracking system is extremely worn. Has been retrofitted. Car is past life expectancy. No longer stores calls. Does not have phase one fire recall. Schumacher has said it is now critical. Primary elevator for the med clinic.	Planned FY20	\$ 6,737,500
13	2) Damage	B) <1 yr	DOC	North Central CF	Repair of Tunnel	\$ 600,000	There is quite a bit of damage over the years, but repair of side walls will reinforce the utility lines for the operations. There is also asbestos throughout tunnel area. 3/2015 Several areas damaged, large patches of concrete have fallen in from the ceiling, lighting and conduit are hanging without support due to the soft and brittle concrete being unable to hold anchors. This tunnel is the lifeline through the campus, carrying all data cables, water, and steam. Immediate repair is necessary to prevent severe damage to one or all of these critical systems.	Planned FY20	\$ 7,337,500
14	2) Damage	B) <1 yr	DOC	Newton CF	Building Automation System Update	\$ 184,000	Replacement parts are obsolete, can no longer obtain from manufacturer	Planned FY20	\$ 7,521,500
15	2) Damage	B) <1 yr	DHS	Glenwood	Evaluate Water Mains and Shut-offs	\$ 50,000	Need to evaluate to determine current condition of underground water service lines and identify reason for lack of adequate water delivery/pressure between water tower and booster station to residential houses.	Planned FY20	\$ 7,571,500
16	2) Damage	B) <1 yr	DHS	Glenwood	Replace Roof on Storage Building	\$ 75,000	The roof is missing shingles, leaking and damaging the stored contents. The current shingles are asbestos and would need to be abated to replace with shingles.	Planned FY20	\$ 7,646,500
17	2) Damage	B) <1 yr	DOC	Ft Dodge CF	Replace Boone Unit Roof	\$ 375,000	1996 roof – rubber membrane is dried out and pulling away from the leading edge of the roof, creating leaks into the space below - ongoing repairs as leaks develop. (29,296 sq. ft.)	Planned FY20	\$ 8,021,500
18	2) Damage	B) <1 yr	DOC	Ft Dodge CF	Replace Floyd Unit Roof	\$ 387,500	1996 roof – rubber membrane is dried out and pulling away from the leading edge of the roof, creating leaks into the space below - ongoing repairs as leaks develop. (30,563 sq.ft.)	Planned FY20	\$ 8,409,000
19	2) Damage	B) <1 yr	DOC	Ft Dodge CF	Replace Grove Unit Roof	\$ 375,000	1996 roof – rubber membrane is dried out and pulling away from the leading edge of the roof, creating leaks into the space below - ongoing repairs as leaks develop. (29.296 sq.ft.)	Planned FY20	\$ 8,784,000
20	2) Damage	B) <1 yr	DOC	Clarinda	Tuckpointing Main Building	\$ 2,669,450	Can be done in stages as before. Minor portion completed 2009, majority remains. Some brick façade and mortar missing. Recent site visit determined there is now water infiltration.	Planned FY20	\$ 11,453,450
21	2) Damage	B) <1 yr	DHS	Eldora	Tunnel Decentralization - Phase 1	\$ 7,920,000	2018 Shive Hattery Tunnel evaluation recommended decentralization, due to condition of existing tunnels. Study recommended temporary shoring to address the critical issues, but the tunnels should be decentralized within five years. Phase 1 (FY 2020) would include construction of water main, gas main, and communication line distribution needed to decentralize the entire facility, mechanical equipment for Canteen/Laundry, Kitchen, Maintenance and General Supply buildings and decommissioning of Tunnel B and building service tunnels.	Planned FY20	\$ 19,373,450
22	2) Damage	B) <1 yr	DHS	Glenwood	Replace Shingled Roofs on 712-714-716 Lacey	\$ 185,000	Approx. 23,000 sq. ft. area of asphalt shingles have reached end of life and roof is currently leaking in some areas.	Planned FY20	\$ 19,558,450

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23	2) Damage	B) <1 yr	DHS	State Training School - Eldora	Kitchen Roof Replacement	\$ 75,000	The roof measures 52'x52'. There are soft spots in areas of the roof and on two sides that are exposed to rain water runoff the entire roof edge had separated and was loose and was temporarily repaired this fall to bridge us over the winter months. Where the rubber roof membrane connects to the adjacent building the membrane is shrinking and pulling away from the wall creating an air pocket and may be future failure. Need to confirm budget.	Planned FY20	\$	19,633,450
24	2) Damage	B) <1 yr	DAS	Capitol Complex	Historical Building Floor Repair	\$ 557,950	Repair the growing deterioration of the wood floor at the State's Historical Building. Sections of the 1st floor are deteriorating due to wear and water damage. Project will be re-evaluated when the roof/skylight replacement is complete.	Planned FY20	\$	20,191,400
<i>Subtotal Planned FY20</i>						\$	20,191,400			
25	2) Damage	B) <1 yr	DOC	Newton CF	NCF - Living Unit C Roof Replacement	\$ 402,500	Roof continues to leak and efforts to repair create new leaks.	Planned FY21	\$	20,593,900
26	2) Damage	B) <1 yr	DOC	Newton CF	NCF - Living Unit D Roof Replacement	\$ 402,500	Roof continues to leak and efforts to repair create new leaks.	Planned FY21	\$	20,996,400
27	2) Damage	B) <1 yr	DOC	Newton CF	NCF - Building K Roof Replacement (Admin)	\$ 402,500	Roof continues to leak and efforts to repair create new leaks.	Planned FY21	\$	21,398,900
28	2) Damage	B) <1 yr	DOC	Newton CF	NCF - Living Unit B Roof Replacement	\$ 402,500	Roof continues to leak and efforts to repair create new leaks.	Planned FY21	\$	21,801,400
29	2) Damage	B) <1 yr	DHS	Glenwood	Meyer Building Parking Lot Replacement	\$ 450,000	34,000 sq. ft. concrete. Need to confirm budget.	Planned FY21	\$	22,251,400
30	2) Damage	B) <1 yr	DAS	Capitol Complex	Historical Building Lower Level Collection & Archive Storage Area Repairs	\$ 415,000	These sensitive areas will be augmented to bring the storage environments to within museum standards to minimize both humidity and temperature fluctuations in these areas. Concrete walls, ceilings, and floors will be sealed to mitigate 'dusting' that is currently damaging collections.	Planned FY21	\$	22,666,400
31	2) Damage	C) > 1 yr	DHS	Eldora	Tunnel Decentralization - Phase 2	\$ 8,780,000	2018 Shive Hattery Tunnel evaluation recommended decentralization, due to condition of existing tunnels. Study recommended temporary shoring to address the critical issues, but the tunnels should be decentralized within five years. Phase 2 (FY 2021) would include construction of mechanical equipment for the remainder of the facility and decommissioning of the remaining tunnels.	Planned FY21	\$	31,446,400
32	2) Damage	C) > 1 yr	DOC	North Central CF	Replace Walk-in Freezer in Food Warehouse	\$ 75,000	Current freezer has three walk-in coolers attached to it and only one works. The freezer is too small to meet our needs for the facility.	Planned FY21	\$	31,521,400
33	2) Damage	C) > 1 yr	DOC	Mt. Pleasant	Elevator B	\$ 487,500	The braking system was replaced in 2015, but the rest of the elevator is obsolete and should be replaced. High use.	Planned FY21	\$	32,008,900
34	2) Damage	C) > 1 yr	DOC	Mt. Pleasant	Elevator D	\$ 487,500	Car is past life expectancy. Tracks are worn. Does not have phase one fire recall. Low use.	Planned FY21	\$	32,496,400
35	2) Damage	C) > 1 yr	DOC	Ft Dodge CF	Hot Loop Underground Curb Stop Valves Replacement	\$ 300,000	Valves were tested in 2015 and failed to isolate buildings on the loop. In the event that repairs are needed on any portion of the underground heating loop the entire system would have to be drained. The hot loop is used year round to temper the air and heat water. Draining the entire hot loop leaves the facility without heat and hot water plus the expense of chemically retreating the system once it is brought back on line. Draining the hot loop also causes other problems throughout the system as the hot loop cools and contracts causing leaks throughout other parts of the system. In addition to this when leaks are suspected it is impossible to verify or locate leaks without the ability to individually isolate sections.	Planned FY21	\$	32,796,400
36	2) Damage	C) > 1 yr	DHS	WRC	Campus Utility Decentralization Phase 1	\$ 750,000	Based Shive-Hattery 2018 study which found that the tunnels and central utilities at Woodward are deteriorating and decentralization is the most cost-effective option. Phase 1 begins the overall design process, focusing on improvements planned for Phase 2. Phasing to be finalized during design.	Planned FY21	\$	33,546,400
37	2) Damage	C) > 1 yr	DOC	North Central CF	Treatment Center EIFS	\$ 550,000	Water is getting in between the EIFS and building causing it to come loose from the building. With water seeping in between the EIFS and building eventually there will be water damage and possible mold build up inside the building. There is a possibility that the EIFS will start falling of the building.	Planned FY21	\$	34,096,400
38	2) Damage	C) > 1 yr	Terrace Hill	Terrace Hill	Grand Ave Public Parking Lot Wall Repair	\$ 100,000	Retaining walls show signs of deterioration.	Planned FY21	\$	34,196,400
39	2) Damage	C) > 1 yr	DOC	Clarinda	Tunnel Repair/Replace Main Bldg to SW Wing	\$ 250,000	No pedestrian use inside the tunnel but heavy ped use on top as a walkway. Utility only inside. A recent site visit determined tunnel was not in need of immediate repair. 6/2018 site visit determined waterproofing was needed to stop leaking, but no further structural repair or replacement needed.	Planned FY21	\$	34,446,400

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40	2) Damage	C) > 1 yr	DPS	Post 8	Roof Replacement	\$ 58,806	Post 8 was built in 2007 and has repeatedly lost shingles on the roof due to high winds, most recently in April 2018. The building has an approximate 14,200 sq. ft. roof area it is in an open field with no wind breaks. A contractor advised that the roof has several problem areas where the harsh weather and repeated shingle replacements has taken a toll on the roof. Although the roof is only 11 years old, it currently appears to be a 20+ year old roof and we are going to continue to have problems if we do not replace it soon.	Planned FY21	\$ 34,505,206
41	2) Damage	C) > 1 yr	DOC	IMCC	East Living Unit Roof Replacement	\$ 150,000	Roof is the original roof from 1970 and has developed signs of deterioration with leaks internally in the past 1 1/2 years. Staff continue to investigate and try sealing areas. It is time to replace the roof	Planned FY21	\$ 34,655,206
42	2) Damage	C) > 1 yr	DOC	IMCC	West Living Unit Roof Replacement	\$ 150,000	Roof is the original roof from 1970 and has developed signs of deterioration with leaks internally in the past 1 1/2 years. Staff continue to investigate and try sealing areas. It is time to replace the roof	Planned FY21	\$ 34,805,206
43	2) Damage	C) > 1 yr	DOC	ASP	Tuckpointing Priorities 2 & 3	\$ 100,000	2. Reseal all mortar joints and cracks on the walkways on top of stonewalls. 3. Repair stone masonry and install new coping to the top of stonewall on the southwest corner of the south wall.	Planned FY21	\$ 34,905,206
44	2) Damage	C) > 1 yr	DHS	Cherokee	Tuckpointing Phase 2.2	\$ 360,000	Finish north side of main building. Some mortar missing. Some bricks are loose, but none have fallen out.	Planned FY21	\$ 35,265,206
45	2) Damage	C) > 1 yr	DHS	Cherokee	Tuckpointing Phase 2.3	\$ 360,000	Finish south side of main building. Some mortar missing. Some bricks are loose, but none have fallen out.	Planned FY21	\$ 35,625,206
46	2) Damage	C) > 1 yr	DHS	Glenwood	Tuckpointing in Building 119	\$ 180,000	Need to address water infiltration in one section but rest of bldg can be left.	Planned FY21	\$ 35,805,206
47	2) Damage	C) > 1 yr	DOC	ASP	Tuckpointing Priorities 4, 5 & 6	\$ 1,080,000	4. Repoint the defective mortar joints on the Administration Building. 5. Repoint all mortar joints on the top half of stonewalls, tuckpoint only the defective mortar joint on the bottom half of the stonewalls. 6. Repoint all mortar joints 100% on the west wall on the school/store room/living unit E.	Planned FY21	\$ 36,885,206
48	2) Damage	C) > 1 yr	DOC	ASP	Tuckpointing Priorities 7, 8 & 9	\$ 800,000	7. Secure the bulging stone on west wall of the old kitchen-dining hall and repoint all mortar joints 100% on the entire building. 8. Repoint defective mortar joints, thirty-two feet on the west wall, sixty feet on the east wall and all mortar joints above the windows on the south wall of the Clothing, R&D and Custom Wood Building. 9. Repoint all mortar joints on the east wall of the Living Unit A, Living Unit C and Living Unit E and replace some eroded stone. Repoint only the defective mortar joints on the west inside walls.	Planned FY21	\$ 37,685,206
49	2) Damage	C) > 1 yr	DOC	ASP	Tuckpoint Priorities 10 & 11	\$ 825,000	10. Repoint defective mortar on the south wall of Living Unit B and D. 11. Repoint the defective mortar joints as needed on the Sign Shop, Commissary, Gymnasium, Maintenance Shop and Deputy's Office.	Planned FY21	\$ 38,510,206
50	2) Damage	C) > 1 yr	DHS	Glenwood	Replace Administration Building Roof	\$ 175,000	Leak has been repaired, but the material is breaking down and is not bonded in place. Drainage issues. New estimate Aug 2012. Estimate does not include A & E, PM or CM costs. Ballasted roof, no current leaks.	Planned FY21	\$ 38,685,206
51	2) Damage	C) > 1 yr	IPTV	6450 Corporate Dr	Repair Auditorium Exterior Fire Exit	\$ 75,000	The grading is too low at the fire exit on Maytag auditorium and water is backing up into the auditorium. Need to fix the retaining wall and change the grade of either the door or the ground	Planned FY21	\$ 38,760,206
52	2) Damage	C) > 1 yr	DHS	Glenwood	Bldg. 214 Tuckpointing	\$ 130,000	Tuckpointing for Bldg. 214.	Planned FY21	\$ 38,890,206
53	2) Damage	C) > 1 yr	DOC	Ft Dodge CF	Replace Unit A Roof	\$ 160,000	1996 roof – rubber membrane is dried out and pulling away from the leading edge of the roof, creating leaks into the space below - ongoing repairs as leaks develop. (12,205 sq.ft.) 2015 repairs should extend life. 2016 becoming a problem again.	Planned FY21	\$ 39,050,206
54	2) Damage	C) > 1 yr	DOC	Ft Dodge CF	Replace Power Plant Roof	\$ 137,500	1996 roof – rubber membrane is dried out and pulling away from the leading edge of the roof, creating leaks into the space below - ongoing repairs as leaks develop. (10,392 sq.ft.)	Planned FY21	\$ 39,187,706
55	2) Damage	C) > 1 yr	DOC	Ft Dodge CF	Replace Warehouse Roof	\$ 112,500	1996 roof – rubber membrane is dried out and pulling away from the leading edge of the roof, creating leaks into the space below - ongoing repairs as leaks develop. (8,756 sq. ft.)	Planned FY21	\$ 39,300,206
56	2) Damage	C) > 1 yr	DOC	Ft Dodge CF	Replace Administration Roof	\$ 100,000	1996 roof – rubber membrane is dried out and pulling away from the leading edge of the roof, creating leaks into the space below - ongoing repairs as leaks develop. (7,700 sq.ft.)	Planned FY21	\$ 39,400,206
57	2) Damage	C) > 1 yr	DHS	Glenwood	Tuckpointing in Building 110	\$ 85,000	Approximately 40-50% of the mortar is deteriorating but not yet allowing moisture infiltration. If left unchecked for an extended period of time, the limestone window ledges and caulking around windows could be a source of water infiltration.	Planned FY21	\$ 39,485,206

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58	2) Damage	C) > 1 yr	DHS	WRC	Tuckpoint Various Buildings	\$ 80,000	Westwood, Larches and other areas.	Planned FY21	\$	39,565,206
<i>Subtotal Planned FY21</i>						\$ 19,373,806				
59	2) Damage	C) > 1 yr	DAS	Capitol Complex	Repair Historical Building Exterior Walls and Lighting	\$ 2,595,237	Repair the remaining exterior granite wall panels and repair exterior lighting. \$1.2 million was appropriated in FY12 for initial critical repairs to the exterior granite wall panels and facility planning efforts.	Planned FY22	\$	42,160,444
60	2) Damage	C) > 1 yr	DOC	Newton CF	Tuckpoint Dorms 1&2 (CRC)	\$ 69,000	Past end of life.	Planned FY22	\$	42,229,444
61	2) Damage	C) > 1 yr	DHS	Cherokee	Additional Tuckpointing Phases	\$ 500,000	Continuation of tuckpointing project. Cost and phasing to be refined.	Planned FY22	\$	42,729,444
62	2) Damage	C) > 1 yr	DHS	State Training School - Eldora	Cottage 5 & 6 Tuckpointing	\$ 225,000	There are a few areas where the mortar has deteriorated and allows water to enter, particularly around windows in the stairwells. Efflorescence in present in the interior. The bottom joint between the masonry and foundation has been caulked shut. The water goes through a freeze thaw cycle which expands cracking.	Planned FY22	\$	42,954,444
63	2) Damage	C) > 1 yr	DHS	WRC	Campus Utility Decentralization Phase 2	\$ 8,500,000	Based Shive-Hattery 2018 study which found that the tunnels and central utilities at Woodward are deteriorating and decentralization is the most cost-effective option. Phase 2 includes installation of half of campus gas distribution, Westwood decentralization, complete decentralization of Administration Building, Larches Building, Grandwood Building, and Employees Home, and half of the campus asbestos abatement. Phasing to be finalized during design.	Planned FY22	\$	51,454,444
64	2) Damage	C) > 1 yr	DHS	WRC	Birches Loading Dock and Ramp Replacement	\$ 264,000	Removal and replacement of deteriorating loading dock. There are holes in the side walls.	Planned FY22	\$	51,718,444
65	2) Damage	C) > 1 yr	DOC	Mt. Pleasant	Storage Bunker Repair	\$ 82,500	The bunker top was shored up nearly 2 years ago but the internal structure still degraded from past water damage. We need concrete work and patchwork to pillars and other areas of concern. Used to store recycled goods.	Planned FY22	\$	51,800,944
66	2) Damage	C) > 1 yr	DAS	Capitol Complex	Historical Building Exterior Tile Replacement	\$ 150,000	The exterior floor tiles under the carport on the south central area are deteriorating.	Planned FY22	\$	51,950,944
67	2) Damage	C) > 1 yr	DAS	Capitol Complex	Capitol Building Eaves and Downspouts Repair	\$ 100,000	Address the eaves and downspouts at the Capitol Building. Some downspouts are becoming detached and plugged, causing water to back up over the gutters.	Planned FY22	\$	52,050,944
68	2) Damage	C) > 1 yr	DHS	Glenwood	Tunnel Top Replacement Bldg 212-214	\$ 200,000	Tunnel top beginning to deteriorate, water infiltration creating failure of pipe supports.	Planned FY22	\$	52,250,944
69	2) Damage	C) > 1 yr	DHS	WRC	304 Pine Roof Replacement	\$ 55,000	Valleys bad, lifting, worn, brittle, general wear throughout	Planned FY22	\$	52,305,944
70	2) Damage	C) > 1 yr	DHS	WRC	103 Cedar Roof Replacement	\$ 55,000	Valleys bad, lifting, missing or damaged shingles, general wear throughout	Planned FY22	\$	52,360,944
71	2) Damage	C) > 1 yr	DHS	WRC	105 Cherry Roof Replacement	\$ 55,000	Valleys bad, lifting, missing or damaged shingles, general wear throughout	Planned FY22	\$	52,415,944
72	2) Damage	C) > 1 yr	DHS	WRC	103 Franklin Roof Replacement	\$ 55,000	Valleys bad, lifting, missing or damaged shingles, general wear throughout	Planned FY22	\$	52,470,944
73	2) Damage	C) > 1 yr	DHS	WRC	201 Franklin Roof Replacement	\$ 55,000	Valleys bad, lifting, missing or damaged shingles, general wear throughout	Planned FY22	\$	52,525,944
74	2) Damage	C) > 1 yr	DHS	WRC	107 Cherry Roof Replacement	\$ 55,000	Some lifting - 1 valley in back not good, general wear throughout	Planned FY22	\$	52,580,944
75	2) Damage	C) > 1 yr	DHS	State Training School - Eldora	Replace Freezer Compressors in Dietary	\$ 170,000	This is a lead lag system with three compressors which are 20 years old. Currently the lead compressor is inoperable and not able to be repaired and a second compressor is problematic. We are currently storing our food supply in the freezers with only the lag compressors ability to keep freezers cold. When the lag compressor breaks then we will not have a way to keep our food supply frozen. We will need to replace both compressors simultaneously. This project would replace the compressors, evaporators and piping and improve ventilation in the compressor room for longer operation. Simply replacing the compressors is not a viable long-term option because contamination in current piping and lack of proper ventilation in room will lead to premature failure.	Planned FY22	\$	52,750,944
76	2) Damage	C) > 1 yr	DAS	Capitol Complex	Repair Capitol Building North and South Face Windows Phase 2	\$ 575,000	Maintenance painting of windows at the Capitol Building that were last done early to mid 1990's. Some sills have completely exposed wood. Phase 1 assessment in June 2017 estimated Phase 2 windows should be done in 3-5 years.	Planned FY22	\$	53,325,944

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77	2) Damage	C) > 1 yr	DAS	Capitol Complex	Ola Babcock Miller Window Replacement Phase 2	\$ 776,250	Existing exterior windows have deteriorated, creating gaps in the frames and allowing air and water infiltration. Replacement will protect building interiors, increase energy efficiency and improve occupant comfort. Phase 1 in 2018 addressed most critical windows. Phase 1 assessment in June 2017 estimated Phase 2 windows should be done in 3-5 years.	Planned FY22	\$ 54,102,194
78	2) Damage	C) > 1 yr	Terrace Hill	Terrace Hill	Repair Wood Shake Roof on Carriage House	\$ 231,344	Inspection of roof to determine how much wood rot that is apparent if not 100%. Recent site visit found an intermittent leak has developed (the wind must blow hard from a certain direction). Includes cupola. 8/2018 - no water damage in last 18 months.	Planned FY22	\$ 54,333,538
79	2) Damage	C) > 1 yr	DHS	WRC	202 Pine Roof Replacement	\$ 55,000	Valleys show wear, general wear throughout	Planned FY22	\$ 54,388,538
80	2) Damage	C) > 1 yr	DHS	WRC	302 Pine Roof Replacement	\$ 55,000	Valleys worn, some flat surfaces need repairs	Planned FY22	\$ 54,443,538
81	2) Damage	C) > 1 yr	DHS	WRC	201 Cedar Roof Replacement	\$ 55,000	General wear throughout	Planned FY22	\$ 54,498,538
82	2) Damage	C) > 1 yr	DHS	WRC	105 Franklin Roof Replacement	\$ 55,000	General wear throughout	Planned FY22	\$ 54,553,538
83	2) Damage	C) > 1 yr	DHS	WRC	108 Franklin Roof Replacement	\$ 55,000	Some valley wear, some shingle wear, general wear throughout	Planned FY22	\$ 54,608,538
84	2) Damage	C) > 1 yr	DHS	WRC	203 Franklin Roof Replacement	\$ 55,000	Some valley wear, general wear throughout	Planned FY22	\$ 54,663,538
85	2) Damage	C) > 1 yr	DHS	WRC	204 Pine Roof Replacement	\$ 55,000	General wear throughout	Planned FY22	\$ 54,718,538
86	2) Damage	C) > 1 yr	DHS	WRC	109 Franklin Roof Replacement	\$ 55,000	General wear throughout	Planned FY22	\$ 54,773,538
87	2) Damage	C) > 1 yr	DHS	WRC	202 Franklin Roof Replacement	\$ 55,000	General wear throughout	Planned FY22	\$ 54,828,538
88	2) Damage	C) > 1 yr	DAS	Capitol Complex	Ola Babcock Miller Tuckpointing	\$ 1,010,305	Tuckpoint joints and repair broken stone on the exterior of the building. Need to confirm budget.	Planned FY22	\$ 55,838,843
89	2) Damage	C) > 1 yr	DOC	Newton CF	NCF LUA, LUB, LUC, LUD, LUE, H, K, L, J Pre-Cast Joint Sealant	\$ 500,000	Sealant is rotted across all buildings causing substantial water leaks. Need to confirm budget and severity.	Planned FY22	\$ 56,338,843
90	2) Damage	C) > 1 yr	DPS	Post 13	Upper Parking Lot Replacement	\$ 200,000	Needs replaced due to poor drainage causing asphalt deterioration	Planned FY22	\$ 56,538,843
91	2) Damage	C) > 1 yr	DAS	Capitol Complex	Hoover Exterior Foundation Waterproofing	\$ 2,364,350	2018 report recommended solutions including grading improvements on the south side, Level B foundation repairs and waterproofing, south window drainage improvements, storm sewer analysis, south exterior wall waterproofing and west entrance analysis.	Planned FY22	\$ 58,903,193
<i>Subtotal Planned FY22</i>						\$ 19,337,986			
92	2) Damage	C) > 1 yr	DHS	WRC	Campus Utility Decentralization Phase 3	\$ 10,000,000	Based Shive-Hattery 2018 study which found that the tunnels and central utilities at Woodward are deteriorating and decentralization is the most cost-effective option. Phase 3 includes Laundry Building, Dispatch Building, Chiller Plant, Birches Building, and Food Service Building decentralization, remaining half of the required asbestos abatement and first half of the tunnel abandonment/removal for tunnels abandoned in phases 1 and 2. Phasing to be finalized during design.	Planned FY23	\$ 68,903,193
93	2) Damage	C) > 1 yr	DHS	WRC	Campus Utility Decentralization Phase 4	\$ 10,000,000	Based Shive-Hattery 2018 study which found that the tunnels and central utilities at Woodward are deteriorating and decentralization is the most cost-effective option. Phase 4 includes Woodward Academy Buildings, Powerhouse, Maple Lodge, Elmcrest, and Medical Center decentralization, and tunnel abandonment/removal for tunnels abandoned in phase 3. Phasing to be finalized during design.	Planned FY23	\$ 78,903,193
<i>Subtotal Planned FY23</i>						\$ 20,000,000			
94	2) Damage	C) > 1 yr	DHS	WRC	Campus Utility Decentralization Phase 5	\$ 3,500,000	Based Shive-Hattery 2018 study which found that the tunnels and central utilities at Woodward are deteriorating and decentralization is the most cost-effective option. Phase 5 includes tunnel abandonment/removal for tunnels abandoned in phase 4 and completion of the chiller replacement. Phasing to be finalized during design.	Future	\$ 82,403,193
95	3) ADA	A) Now	DCA	Centennial Building	Elevator Replacement	\$ 300,000	This elevator has had several engineering studies and was prioritized under ADA funding. The elevator was recently cited by Workforce Development as being non-compliant and it skips one stop.	Future	\$ 82,703,193

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96	3) ADA	A) Now	DHS	CCUSO	ADA Compliant Restrooms for S1 and S2 Wards	\$ 350,000	Needed for elderly patients and med clinic. Currently non-ambulatory patients are taken through the food service area to use an ADA compliant restroom on another ward.	Future	\$ 83,053,193
97	3) ADA	A) Now	DHS	Cherokee	Voldeng Building Elevator and Lobby Area Remodel	\$ 750,000	Improvements to accommodate ADA. Current entrance ramp is not ADA compliant and is failing.	Future	\$ 83,803,193
98	3) ADA	A) Now	DHS	Cherokee	Redesign Handicap Entrances	\$ 100,000	Lifts currently in place (main building and Ginzberg) fail regularly. At least three times in the last year, we've had handicapped people stuck on the lifts. Would prefer a non-mechanical solution. There is an alternate ADA entrance, but it doesn't meet current code (not enough landings).	Future	\$ 83,903,193
99	3) ADA	A) Now	DHS	CCUSO	Resurface CCUSO Entrance Ramp	\$ 100,000	Handicap entrance (also serves as single point of entry to CCUSO) has become pitted and cracked causing transport problems for carts, wheelchairs, etc.	Future	\$ 84,003,193
100	3) ADA	A) Now	DHS	State Training School - Eldora	Replace Elevator in Admin Building	\$ 250,000	End of life. Beginning to have entrapments. Having increasing entrapments that require frequent maintenance calls. Maintenance not on duty 24/7 and victors are required to go to lower level of administration to check in.	Future	\$ 84,253,193
101	3) ADA	A) Now	DAS	Capitol Complex	ADA Signage and Parking Compliance Review	\$ 25,000	Some agencies have expressed concerns that the ADA signage and parking may not meet the ADA standards and therefore may create a problem for program compliance.	Future	\$ 84,278,193
102	3) ADA	A) Now	DVA	Iowa Veterans Home	Terrazzo Repairs	\$ 240,471	There are multiple areas throughout the Dack and Malloy buildings which have cracks and holes which cause a fall risk to IVH Residents. A report is available.	Future	\$ 84,518,664
103	3) ADA	A) Now	DVA	Iowa Veterans Home	Sidewalk and Paving Repairs	\$ 175,117	IVH has multiple sidewalk repairs that have to be conducted. There are residents which have a hard time lifting their feet and have sight conditions that prevent them from seeing cracks and height difference on the sidewalks.	Future	\$ 84,693,781
104	3) ADA	B) <1 yr	DOC	North Central CF	Install an ADA Lift for Education Bldg.	\$ 6,000	The entry way in the education building is two steps and there is not enough room in this area to construct a ramp. A lift is needed to provide ADA access to this building.	Future	\$ 84,699,781
105	3) ADA	C) > 1 yr	DOC	North Central CF	Replace Non-Standard Walks ADA	\$ 60,000	Bring inside perimeter sidewalks up to ADA standards.	Future	\$ 84,759,781
106	4) Scheduled	A) Now	DOC	Mt. Pleasant	Replacing Cooling Units/AC for Gym	\$ 250,000	Building currently unoccupied, facility has trouble getting units to run each spring. If cooling not provided, humidity may cause deterioration.	Future	\$ 85,009,781
107	4) Scheduled	A) Now	DHS	State Training School - Eldora	Repair Drain Box on South Side	\$ 45,000	Too small for large amounts of water and overflows. Causes localized erosion.	Future	\$ 85,054,781
108	4) Scheduled	A) Now	DOC	Mt. Pleasant	Spill Containment for Diesel Tank	\$ 100,000	Proper spill containment needed for diesel tank. Replace existing 4 Single walled tanks with two 25K gallon double walled tanks and add necessary spill containment. Currently have a soil and grass berm. Fire Marshal warning.	Future	\$ 85,154,781
109	4) Scheduled	A) Now	DOC	Ft Dodge CF	Replace Delaminated Glass in Master Control Center	\$ 20,000	High security glass in the control center is delaminating. This glass and the bars on the windows is all that separates control center staff from the main yard. Manufacturer feels that the integrity isn't compromised yet, but may be in a few years.	Future	\$ 85,174,781
110	4) Scheduled	A) Now	DOC	Ft Dodge CF	Unit A - Security Bubble Glass Replacement	\$ 3,000	Glass is starting to crack and officers question its strength. It needs replaced or the integrity needs certified.	Future	\$ 85,177,781
111	4) Scheduled	A) Now	DVA	Iowa Veterans Home	Replace Guardhouse Windows	\$ 30,000	Replace deteriorating windows.	Future	\$ 85,207,781
112	4) Scheduled	A) Now	DHS	Glenwood	Paint Inside of Water Tower	\$ 90,000	We need to repaint the inside of the GRC campus water tower to ensure safe drinking water for clients and staff. Does not include A&E, PM or CM. Should be done in 2018.	Future	\$ 85,297,781
113	4) Scheduled	A) Now	DOC	Ft Dodge CF	Replace Compressor Racks and Evaporators in Dietary and Warehouse Freezers/Coolers.	\$ 150,000	These systems have outlived their life expectancy and electrical power system needs to be redesigned. Smaller compressors on 480volt system only last 18 - 24 months before they burnout. Evaporator coils and electric reheat coils are corroding and beginning to fail. Repairs to corroded coils are becoming more frequent and difficult.	Future	\$ 85,447,781
114	4) Scheduled	A) Now	DOC	Mt. Pleasant	Parking Lots NE and SE	\$ 95,000	The lots are in very bad shape and the area is so large.	Future	\$ 85,542,781

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115	4) Scheduled	A) Now	DOC	Mt. Pleasant	Replace Tunnel Tops	\$ 150,000	Tunnel tops are deteriorating. All utilities are located in the tunnels. Tunnel top failure could result in disruption of utilities. This would be an ongoing project as not all tunnels would need to be replaced at the same time. Recent site visit did not find any exposed rebar or significant areas of deterioration.	Future	\$ 85,692,781
116	4) Scheduled	A) Now	DOC	Mt. Pleasant	Perimeter Fence	\$ 1,000,000	The fence is becoming wavy and we need cement under the fencing. This is a high need for security.	Future	\$ 86,692,781
117	4) Scheduled	A) Now	DOC	ICIW	Replace Unit 9 Control Centers' Heat Pumps	\$ 14,000	Replace heat pumps in both control centers.	Future	\$ 86,706,781
118	4) Scheduled	A) Now	DOC	ICIW	Renovate Segregation Unit HVAC System	\$ 12,000	Air handling system needs to be balanced and the unit control center needs a separate heat pump so if chemicals are discharged it does not enter the control center. System condensates and dumps water on the floor.	Future	\$ 86,718,781
119	4) Scheduled	A) Now	Terrace Hill	Terrace Hill	Elevator Repair	\$ 35,000	New controller needed.	Future	\$ 86,753,781
120	4) Scheduled	A) Now	DHS	Independence	Infirmary Masonry Repair	\$ 405,000		Future	\$ 87,158,781
121	4) Scheduled	A) Now	DHS	Independence	Reynolds Masonry Repair Phase 5	\$ 437,500	This phase would finish the tuckpointing of the entire building. Cost estimate changed based on reassessment.	Future	\$ 87,596,281
122	4) Scheduled	A) Now	DAS	Capitol Complex	Replace Hoover Building Elevators	\$ 2,587,500	All elevator equipment is original equipment. The Hoover elevators had 102 service calls for not being in operation and 5 service calls for people being entrapped per Kone FY2018 report. Design and replacement of 2 elevators is scheduled for FY2019.	Future	\$ 90,183,781
123	4) Scheduled	A) Now	DHS	Glenwood	Install Backflow Prevention or Dry Sprinkler System in Residential Houses	\$ 260,000	No current citations or contamination of drinking water.	Future	\$ 90,443,781
124	4) Scheduled	A) Now	DOC	ISP (Old Site)	Tuckpoint of CH17	\$ 100,000	We need to complete the tuckpointing of CH17. This is needed as the outer stone is starting to get major gaps in it. Water is then able to get into the gaps and freeze/expand, crushing the limestone. These caps also allow animals/birds/rodents to build nests in some of the larger areas. With the limestone crumbling, stone could fall out. As this building is on the National Registry, we have to keep it structurally sound.	Future	\$ 90,543,781
125	4) Scheduled	A) Now	DOC	Ft Dodge CF	Replace Rusted out Door Frame in Buildings DE&M	\$ 300,000	Existing steel frame doors were installed using an incompatible grout material that is corrosive to the steel door frames. Rusted frames are being replaced as required. Eventually all the frames will be in a critical state that will require the replacement of 275 door frames for security reasons.	Future	\$ 90,843,781
126	4) Scheduled	A) Now	DOC	Mt. Pleasant	Repair Parking Lot	\$ 65,000	The lot is in very poor repair. Recent site visit determined now only used for overflow parking.	Future	\$ 90,908,781
127	4) Scheduled	A) Now	DAS	Capitol Complex	Replace Wallace Buildings Elevators	\$ 1,371,375	All elevator equipment is original. The Wallace Building elevators had 83 service calls for not being in operation and 1 service call for people being entrapped per Kone FY2018 report. 2 elevators scheduled to be replaced in FY19.	Future	\$ 92,280,156
128	4) Scheduled	A) Now	DVA	Iowa Veterans Home	Cast Iron Pipe Replacement	\$ 300,000	Replace horizontal drain lines in basements of Malloy, Dack, and Loftus. Areas are brittle, with frequent breakages.	Future	\$ 92,580,156
129	4) Scheduled	A) Now	DOC	Ft Dodge CF	Replace Taut Wire Sensor Reporting Units	\$ 262,500	Sensor reporting units are aged and beginning to give false alarms several times per week in winter and fail at an unacceptable rate.	Future	\$ 92,842,656
130	4) Scheduled	A) Now	DHS	CCUSO	Renovate South 1, S2 & S3 Areas in Main Building. (HVAC Updates)	\$ 518,000	S2 has window air conditioners. Recent site visit found S1 & S3 have units with R22 refrigerant so they can't be repaired and the current ductwork can't support the pressures needed for R410a refrigerant. Part of a larger capital request.	Future	\$ 93,360,656
131	4) Scheduled	A) Now	DOC	Ft Dodge CF	Replace Fuel Tank Monitor	\$ 10,000	Red Jacket fuel monitor repeatedly crashes and loses all data. System has to be reprogrammed after each crash. Also provides leak detection.	Future	\$ 93,370,656
132	4) Scheduled	A) Now	DAS	Capitol Complex	Wallace Building Window Replacement	\$ 310,500	Replace 28 broken windows. Facility investigating alternatives.	Future	\$ 93,681,156

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133	4) Scheduled	A) Now	DHS	Independence	Stewart Hall Roof Replacement	\$ 100,000	Roof installed in 2001. Rubber is starting to deteriorate and shrink, but no leaks yet. This building is used for staff housing and also serves as a dormitory for our student nursing program.	Future	\$ 93,781,156
134	4) Scheduled	A) Now	DOC	Mt. Pleasant	4" Water Main Replacement at Maintenance Out Buildings	\$ 28,750	This old main is so thin it leaks frequently. This could easily become critical.	Future	\$ 93,809,906
135	4) Scheduled	A) Now	DOC	ICIW	Unit 6 Front Entry Door Replacement	\$ 50,000	Door frames are showing signs of rust and could lead to exposure to the outside.	Future	\$ 93,859,906
136	4) Scheduled	A) Now	DHS	Independence	Condensate Line Replacement	\$ 275,000	Condensate lines in areas are over 100 years old. Several have developed leaks and have been repaired. Several lines are thin and brittle.	Future	\$ 94,134,906
137	4) Scheduled	A) Now	DOC	IMCC	Admin Bldg East Roof Replacement	\$ 76,202	Replace existing roofing on the admin building. East side is part membrane, part shingles. Shingles are showing deterioration but there are no current leaks. West side re-done 2009 and is okay.	Future	\$ 94,211,108
138	4) Scheduled	A) Now	DOC	Ft Dodge CF	Replace VAV/Coils, Install 2-way Valves and Flow Controls in Buildings H & K	\$ 60,000	Coils have become restricted/plugged, in some areas can only heat building to mid-60s in cold conditions. Previous chemical treatment has failed to clean heating system.	Future	\$ 94,271,108
139	4) Scheduled	A) Now	DOC	Mt. Pleasant	Pelco Security Camera Replacement	\$ 1,000,000	Replacement of analog cameras with digital system and install new wiring and switches. System is currently operating, but replacement parts are difficult to find.	Future	\$ 95,271,108
140	4) Scheduled	A) Now	DHS	Glenwood	Building 103 Roof Replacement	\$ 175,000	EPDM roof needs replaced. Interior mold concerns should be addressed by 2018 tuckpointing project.	Future	\$ 95,446,108
141	4) Scheduled	A) Now	DOC	ASP	Replace Cell Locking System for Living Unit B	\$ 1,000,000		Future	\$ 96,446,108
142	4) Scheduled	A) Now	DAS	Capitol Complex	Historical Building HVAC and Controls System Updates	\$ 18,311,630	The current building HVAC system was never designed to provide museum-quality environmental control. Combined with a deficient building envelope, the HVAC system has been working overtime over the last 30 years trying to—but never succeeding to—modulate the building's environment and keep it within museum-required standards for temperature and humidity. Much of the current equipment has not only exceeded its anticipated life, it is obsolete in terms of modern HVAC systems. The proposed new system will bring the building up to current museum standards and practice. Scope will need reviewed if funded by MM to identify any scope not covered by MM. There are (3) projects on the MM list that would be in lieu of this total replacement (DDCs, Chillers/heat pump, boiler).	Future	\$ 114,757,738
143	4) Scheduled	A) Now	DOC	ISP (Old Site)	Tunnel Project	\$ 250,000	The tunnels located on the west side of cellhouse row is in dire need of repair. Repairs have been made to the topside, however, the underside is crumbling. The water, electrical, sewer & steam lines all run through these tunnels and if they collapse, it will cause damage to all of these items. Shoring and/or bracing these areas would not be adequate to prevent a collapse. Traffic over the tunnel is now limited. Funding pending decision on old facility.	Future	\$ 115,007,738
144	4) Scheduled	A) Now	DOC	Ft Dodge CF	Replace Automation Panels	\$ 280,000	Obsolete, can't upgrade software. Have some spare parts in inventory. Software support ended December 2017.	Future	\$ 115,287,738
145	4) Scheduled	A) Now	DOC	IMCC	Electrical Upgrade Study	\$ 100,000	Electrical upgrade for the old part of the facility. Because of ever changing needs in Corrections, existing cells and other areas do not have enough power capabilities which are becoming necessary. Wiring is becoming aged as well. Our electrician is telling us we simply do not have any more available power to simply add an outlet.	Future	\$ 115,387,738
146	4) Scheduled	A) Now	DHS	Glenwood	Electrical Upgrade in Admin Bldg	\$ 300,000	The electrical service in the Admin Bldg is overloaded due to increased demands on the building.	Future	\$ 115,687,738
147	4) Scheduled	A) Now	DVA	Iowa Veterans Home	Whitehill Auditorium Interior Face of Windows	\$ 20,000	Replace interior face of windows on historic building. Glazing is deteriorating.	Future	\$ 115,707,738

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148	4) Scheduled	A) Now	DHS	CCUSO	Security Cameras for Interior/Exterior Viewing-Campus Wide. CCTV Upgrades.	\$ 723,750	Both CCUSO and MHI utilize analog cameras throughout their facilities that are 14 plus years old. The cameras are reaching their end of serviceable life and suitable replacements/parts are difficult to find. This project would replace the analog cameras with IP based cameras, address network infrastructure necessary to move to IP based cameras, and provide shared CCTV camera and digital recording functionality for both CCUSO and MHI by expanding on CCUSO's IP and Video Management platform to support an integrated campus wide CCTV system with CCUSO and MHI administrating use of their own portion of the shared system. The project originally included replacing the video management system, but that portion was funded independently when the system became unreliable. Capital request.	Future	\$ 116,431,488
149	4) Scheduled	A) Now	DVA	Iowa Veterans Home	Whitehill Auditorium Steps	\$ 25,000	Replace 3 sets of deteriorating steps.	Future	\$ 116,456,488
150	4) Scheduled	A) Now	DAS	Capitol Complex	Grimes Exterior Window and Door Replacement	\$ 1,940,625	Replace original exterior windows, gaskets and doors. Windows are developing air leaks and there is a potential for water infiltration. Replacement will protect building interiors, increase energy efficiency and improve occupant comfort.	Future	\$ 118,397,113
151	4) Scheduled	A) Now	DAS	Capitol Complex	Wallace Building Tuckpointing and Waterproofing	\$ 1,035,000	Repair bad masonry joints and prevent water infiltration.	Future	\$ 119,432,113
152	4) Scheduled	A) Now	DVA	Iowa Veterans Home	North Parking Lot Repair	\$ 245,000	The North parking is in disrepair and has improper drainage. The substrate on the parking lot is deteriorating and in need of repairs. Replace 19,000 sf and overlay 60,000 sf.	Future	\$ 119,677,113
153	4) Scheduled	A) Now	DVA	Iowa Veterans Home	West Parking Lot Repair	\$ 165,000	The West parking area (66,000 sf) is need of replacement. The substrate on the parking lot is deteriorating and in need of repairs.	Future	\$ 119,842,113
154	4) Scheduled	A) Now	DCA	Centennial Building	Heating System Modifications	\$ 503,375	U of I steam pipe that provides heat to the building is failing. The pipe has been re-sleeved several times and the only option is to replace the piping or install a decentralized option. Budget is to install electric boilers, but the final scope and cost will need to be determined in design.	Future	\$ 120,345,488
155	4) Scheduled	A) Now	DAS	Capitol Complex	Iowa Workforce Development Exterior Window Replacement	\$ 758,655	Replace original single pane windows installed in 1970 of various sizes. Windows are leaking in various locations. Current estimate includes an allowance of \$125,000 to address potential asbestos abatement. Replacement will protect building interiors, increase energy efficiency and improve occupant comfort. Worst windows on 3rd floor East were replaced independently in FY18.	Future	\$ 121,104,143
156	4) Scheduled	A) Now	DAS	Capitol Complex	Hoover Exterior Window Replacement	\$ 2,587,500	Replace all exterior windows and gaskets. Windows are developing air leaks and there is a potential for water infiltration. Replacement will protect building interiors, increase energy efficiency and improve occupant comfort. Ranked lower after worst windows and doors were replaced independently in FY18.	Future	\$ 123,691,643
157	4) Scheduled	A) Now	DAS	Capitol Complex	Repair Existing Pedestrian Tunnel between Lucas and the Capitol	\$ 7,490,436	Repair the pedestrian tunnel between the Lucas Building and the Capitol to maintain structural integrity and bring up to building and life safety codes. Ranked lower after epoxy resin repairs in FY18 improved the tunnel conditions. Need to continue to monitor to confirm repairs persist.	Future	\$ 131,182,079
158	4) Scheduled	A) Now	DAS	Capitol Complex	Jessie Parker HVAC Renovations	\$ 9,561,038	Install a new AHU hooked to the Capitol Complex chilled water loop, VAV boxes, duct work, dampers, direct digital controls and associated work required to renovate the HVAC System. Actual scope and costs to be determined by the engineering study and design.	Future	\$ 140,743,117
159	4) Scheduled	A) Now	DAS	Capitol Complex	IWD 1000 E. Grand HVAC Renovations	\$ 9,211,844	Replace AHU, coils, fans, VAV, duct work, and direct digital controls. All existing equipment is past its life expectancy. The equipment in this building is the original dual duct AHU, with chilled water and hot water coils, dampers and louvers that were installed when the building was built. The asbestos needs to be abated just to work on or replace this equipment. Some of the DDC controls and VAV boxes have been replaced; re-evaluate budget for potential relocation, dependent on phasing of project. Actual scope and costs to be determined by the engineering study and design.	Future	\$ 149,954,961
160	4) Scheduled	A) Now	DAS	Capitol Complex	Grimes Building HVAC Updates	\$ 8,475,486	Complete renovation of the HVAC systems in the Grimes with direct digital controls to be connected to the building automation system. Equipment is original to the building (1969) and is well beyond the 25 year expected life. Replacement will increase energy efficiency and improve occupant comfort. Actual scope and costs to be determined by the engineering study and design.	Future	\$ 158,430,447

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161	4) Scheduled	A) Now	DHS	WRC	Larches Chillers Replacement	\$ 250,000	2 ea - 80 ton & 65 ton. Replacement is dependent upon route taken from outcome of power plant replacement study.	Future	\$ 158,680,447
162	4) Scheduled	A) Now	DHS	WRC	Grandwood Chiller Replacement	\$ 130,000	1 ea - 120 ton	Future	\$ 158,810,447
163	4) Scheduled	A) Now	DAS	Capitol Complex	Replace Central Energy Plant Deaerator Tank	\$ 501,471		Future	\$ 159,311,918
164	4) Scheduled	A) Now	DOC	IMCC	Air Handler Replacement	\$ 3,196,817	Our facility has been in operation since approximately 1970. The old part of our facility has 15 existing air handling units which need replacement before failure occurs. These units are placed in locations that make it very difficult to make repairs. They provide heating and cooling to cell houses, offices, dietary and other activity areas at our facility. If removal and replacement is projected, it will be necessary to remove some of the units through the roofs of our facility as there is no way of accessing the areas except with foot traffic and walk through doorways. Roofing projects are already on the major maintenance list and it may be an opportune time to start replacing some of these units with a roof project. These units would also need to be tied into our building automation system. This estimate does not include engineering fees. It is based off \$150,000/air handler.	Future	\$ 162,508,735
165	4) Scheduled	A) Now	DHS	CCUSO	South 6 Patient Ward Flooring	\$ 100,000	Chipped and worn flooring. Cracking along the edges.	Future	\$ 162,608,735
166	4) Scheduled	A) Now	DHS	CCUSO	South 2 Ward Flooring	\$ 100,000	Chipped and worn flooring. One small area is a trip concern, but will be addressed by facility.	Future	\$ 162,708,735
167	4) Scheduled	A) Now	DHS	State Training School - Eldora	Replace Tunnel Ventilation Fan	\$ 90,000	Current ventilation fan isn't working and is the main fan for ventilating the tunnel system. The fan is several decades old, the bearing has gone out and the blades are extremely worn.	Future	\$ 162,798,735
168	4) Scheduled	A) Now	DVA	Iowa Veterans Home	Sheeler retaining wall	\$ 40,000	The retaining wall on the east side of the Sheeler building is leaning. This wall protects the Sheeler medical clinic and document storage area substrate.		\$ 162,838,735
169	4) Scheduled	A) Now	DHS	Cherokee	Fire Damper Replacement	\$ 186,000	Existing 24V fire dampers fail frequently. The dampers are an older model that we can no longer get parts for. This project would remove the 32 existing 24V dampers and replace them with 32 120V dampers.		\$ 163,024,735
170	4) Scheduled	A) Now	DHS	Cherokee	Dietary Dishwasher Replacement	\$ 200,000	Existing dishwasher is approximately 17 years old and is now failing 4-6 times each year requiring costly service calls and repairs. Failure of the machine to properly wash and sanitize dishes (and this is what typically fails) can result in spread of infectious disease.		\$ 163,224,735
171	4) Scheduled	A) Now	DHS	CCUSO	South 2 and South 3 Ward Flooring	\$ 200,000	Flooring is chipped and wearing in places. Trip hazards are present. The med clinic where ill and injured patients are seen is located on South 2 and South 3 is utilized as a food service area.		\$ 163,424,735
172	4) Scheduled	A) Now	DHS	Glenwood	Electrical Upgrade in Admin Bldg	\$ 500,000	The electrical service in the Admin Bldg is overloaded due to increased demands on the building.		\$ 163,924,735
173	4) Scheduled	A) Now	DOC	Ft Dodge CF	Perimeter Fence mow skirt replacement	\$ 500,000	The concrete below the fence is cracked in multiple spots causing heaving, etc., which is causing the fence to move. Some fence fasteners are being pulled/broken as the concrete moves and breaks.		\$ 164,424,735
174	4) Scheduled	A) Now	DOC	Ft Dodge CF	Parking Lot Resurfacing	\$ 300,000	Resurface and repair existing parking lot. Annual crack filling and patching have occurred over the last several years and have extended the lot's life, however recent contractors have advised that resurfacing should be done to prevent having to completely replace. Approximately 100,000 sf. Need to confirm budget.		\$ 164,724,735
175	4) Scheduled	A) Now	DVA	Iowa Veterans Home	Sheeler clinical building ahu replacement	\$ 78,000	The air handler which serves the IVH clinic is past the end of its life cycle. Multiple repairs have been completed, but it is to the point of replacement.		\$ 164,802,735

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176	4) Schedule	A) Now	DOC	IMCC	Interlock doors to enter facility (6 doors)	\$ 300,000	Facility entrance access is gained through interlock security doors. These doors are automatically operated numerous times each day. Repeated maintenance is being performed on these because of usage and age. M102, M103, M105, M110, L12 and L13 need to be updated as parts continually wear out and increased maintenance is being performed. Budget needs to be confirmed.		\$ 165,102,735
177	4) Scheduled	A) Now	DHS	Cherokee	Upgrade Fire Alarm System	\$ 900,000	Can still find refurbished parts but were informed that parts will no longer be available in three years (3/2015).	Future	\$ 166,002,735
178	4) Scheduled	B) < 1 yr	DOC	North Central CF	Air Handler Replacement and Condenser Coils for Units A and B	\$ 275,000	On unit A and B both condenser and evaporator coils on all these units are deteriorated, constant thawing of these units are required due to plugged and damaged coils which reduces proper air flow through the unit. This cause excessive wear and tear on the compressors and on the unit itself due to constant tear down to thaw. Furthermore the placement of these units requires scaffolding to be built on primary stairwell to allow staff and offenders to thaw and clean these units which becomes a safety issue, this typically happens on a weekly basis and sometimes more often. All of these units are problematic and are not expected to operate much longer.	Future	\$ 166,277,735
179	4) Scheduled	B) < 1 yr	DHS	State Training School - Eldora	Replace Chiller at School	\$ 600,000	End of life/high probability of breakdown. Installed in 2001 when school was built.	Future	\$ 166,877,735
180	4) Scheduled	B) < 1 yr	DHS	Glenwood	Replace Water Mains	\$ 1,000,000	Per facility - Mechanical engineer advised there is no good method to evaluate the water mains without extensive excavation and recommended we consider replacement since the water mains are more than 100 years old and we are experiencing rust and contamination in the domestic water supply. The water mains are not lined and the service lines are galvanized. Separate request to evaluate the water mains is part of MM #49 (3QFY15 list).	Future	\$ 167,877,735
181	4) Scheduled	B) < 1 yr	DOC	Mt. Pleasant	Replace Hot Water Tanks and Controls	\$ 60,000	The two 1,000 gallon tanks have passed life cycle end and are showing signs of leakage and wear. They supply all the hot water for the 20 building. Recent site visit determined it was a low priority since facility is unoccupied.	Future	\$ 167,937,735
182	4) Scheduled	B) < 1 yr	DHS	State Training School - Eldora	Replace Condensate Lines	\$ 275,000	End of life/installed in early 1900's. Regularly replacing large sections of condensate lines due to leaks. Leaks are due to pipes becoming thin from the inside as well as the outside.	Future	\$ 168,212,735
183	4) Scheduled	B) < 1 yr	DOC	Clarinda	Replace Large 350 lb Built in Clothes Dryers in Laundry	\$ 250,000	Laundry processes approx. 5000lbs of laundry per day on average of offender clothing.	Future	\$ 168,462,735
184	4) Scheduled	C) > 1 yr	DOC	IMCC	Roof Replacement – North Addition Upper Level	\$ 368,500	Reranked lower because upper levels B - I replaced with north addition lower level roof replacement. Remaining levels J - M are not currently leaking but could use minor flashing repairs that would extend the life of the roofs 3 - 5 years. Project cost is for full replacement.	Future	\$ 168,831,235
185	4) Scheduled	C) > 1 yr	DOC	Mt. Pleasant	Elevator MWU Upgrade	\$ 220,000	Car is past life expectancy. Controller is in need of repair. Does not have phase one fire recall. The facility is being vacated and has been moved to the bottom of our needs.	Future	\$ 169,051,235
186	4) Scheduled	C) > 1 yr	DAS	Capitol Complex	Replace Lucas Building Elevators 1,2,3,4 & 5	\$ 2,846,250	All of Elevator equipment is original equipment. The Lucas Building had 81 service calls for not being in operation and 3 service calls for people being entrapped per Kone FY2018 report.	Future	\$ 171,897,485
187	4) Scheduled	C) > 1 yr	DAS	Capitol Complex	Replace Grimes Building Elevators 1, 2 & 3	\$ 1,759,500	All elevator equipment is original. The Grimes Building had 45 service calls for not being in operation and 1 service call for people being entrapped per Kone FY2018 report.	Future	\$ 173,656,985
188	4) Scheduled	C) > 1 yr	DAS	Capitol Complex	Replace Jessie Parker Building Elevators 1,3,4 & 5	\$ 1,914,750	All elevator equipment is original. The Jessie Parker building had 51 service calls for not being in operation and 1 service call for people being entrapped per Kone FY2018 report. 1 elevator being replaced in FY2019.	Future	\$ 175,571,735
189	4) Scheduled	C) > 1 yr	DAS	Capitol Complex	Replace Central Energy Plant Cooling Tower #2, Replace Fill on Cooling Tower #4, Enlarge Condenser Water Pit	\$ 827,131	Cooling tower #2 has exceeded its life expectancy and could become unusable if anything major happens. Condenser water holding pit needs to be enlarged to run all 4 cooling towers at the same time.	Future	\$ 176,398,866
190	4) Scheduled	C) > 1 yr	DAS	Capitol Complex	Replace IWD Building Elevators	\$ 1,966,500	All elevator equipment is original. The IWD Building had 30 service calls for not being in operation and no service call for people being entrapped per Kone FY2018 report. Elevator #3 West Car is highest priority. Updated in FY18 to include all elevators at IWD. 1 elevator being replaced in FY2019.	Future	\$ 178,365,366

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191	4) Scheduled	C) > 1 yr	DAS	Capitol Complex	Replace Historical Building Elevators	\$ 2,123,820	All elevator equipment is original. The Historical Building elevators had 57 service calls and 2 entrapment per Kone FY2018 report.	Future	\$ 180,489,186
192	4) Scheduled	C) > 1 yr	DAS	Capitol Complex	Replace Historical Building Controls with Direct Digital Controls	\$ 2,044,090	The current pneumatic control system is outdated and failing, threatening environmental control for State historical museum exhibits and artifacts. Partial replacement in mechanical rooms will be done in FY19.	Future	\$ 182,533,276
193	4) Scheduled	C) > 1 yr	DAS	Capitol Complex	Monument and Art Work Repair and Restoration	\$ 525,000	Finish cleaning and restoring the statue atop the Soldiers & Sailors monument and provide for annual cleaning and maintenance of the monuments on the Capitol Complex that do not have an endowment for annual maintenance. This will also provide funding for repair, restoration and conservation of interior and exterior artwork on the Capitol Complex that has been funded by the ½% Art in State Buildings Program. \$100,000 was appropriated from FY2017 Major Maintenance funding as a 2 for 1 match.	Future	\$ 183,058,276
194	4) Scheduled	C) > 1 yr	DAS	Capitol Complex	Replace Historical Building Chillers / Heat Pump	\$ 1,373,120	Replace the primary chiller and the chiller/heat pump as they were installed in 1987 and the life expectancy of the equipment is 23 years per the Baker Group Report. Both the chiller and the chiller/heat pump have mechanical issues.	Future	\$ 184,431,396
195	4) Scheduled	C) > 1 yr	DAS	Capitol Complex	Replace Historical Building Boiler	\$ 470,178	Replace the two electric hot water boilers and the one electric steam boiler for humidification as they were installed in 1987 and the life expectancy of the equipment is 15 years per the Baker Group Report.	Future	\$ 184,901,574
196	4) Scheduled	C) > 1 yr	DAS	Capitol Complex	Capitol Complex Security Camera and Surveillance Retention Upgrades	\$ 900,000	Upgrading, replacing and adding new cameras; upgrade surveillance and retention system to a new IP system.	Future	\$ 185,801,574
197	4) Scheduled	C) > 1 yr	DOC	Ft Dodge CF	Replace Gym Flooring	\$ 32,000	Rubber coated gym floor is damaged and worn.	Future	\$ 185,833,574
198	4) Scheduled	C) > 1 yr	DOC	ASP	Tunnel Replacement Outside LUB & D	\$ 1,500,000	2016 study found tunnel cap and walls can last 5 - 10 years, most cost effective to replace entirely, rather than replace only tunnel cap. Budget based on worst case scenario of replacing all utility piping with tunnel. Design needed to refine cost and scope.	Future	\$ 187,333,574
199	4) Scheduled	C) > 1 yr	DAS	Capitol Complex	Replace Parking Lots 18A & 18B	\$ 1,199,189	2" wide cracks at the joints, full of settlement cracks, some holes and raised surfaces and broken and damaged concrete side walk curbs. Lot 18B has been closed.	Future	\$ 188,532,763
200	4) Scheduled	C) > 1 yr	DAS	Capitol Complex	Replace Central Energy Plant Chiller #3	\$ 963,401	Nearing the end of its life cycle.	Future	\$ 189,496,164
201	4) Scheduled	C) > 1 yr	DAS	Capitol Complex	Replace Central Energy Plant Chiller #1	\$ 963,401	Nearing the end of its life cycle.	Future	\$ 190,459,565
202	4) Scheduled	C) > 1 yr	IWD	150 DM St	IWD 150 Des Moines Street Parking Lot Replacement	\$ 376,000		Future	\$ 190,835,565
203	4) Scheduled	C) > 1 yr	DAS	Capitol Complex	Replace Central Energy Plant Boiler #1	\$ 350,355	Boiler #1 is too small, once the outside temperature drops below 30 degrees this boiler can not keep up.	Future	\$ 191,185,919
204	4) Scheduled	C) > 1 yr	DAS	Iowa Labs	Iowa Labs Parking Lot Improvements and Repair	\$ 872,163	Repairs to the parking lots due to undermining of concrete surfaces due to drainage and to remediate the drainage problem along with a repair and replacement program for all the parking lots at the Iowa Labs.	Future	\$ 192,058,083
205	4) Scheduled	C) > 1 yr	DVA	Iowa Veterans Home	Sanitary Sewer Line Replacement	\$ 310,000	The lines are aged and allow either ground water infiltration or collapse. This increases the sewage flowing into the treatment plant from this facility due to ground water, or allows sewage to flow on the ground until an emergency repair can be arranged. Recent review found repairs had been made and there hadn't been any breaks in five years.	Future	\$ 192,368,083
206	4) Scheduled	C) > 1 yr	IPTV	6450 Corporate Dr	Replace Ceiling Tiles and Grid System	\$ 275,000	Ceiling tiles are currently stained with water and wear and tear; the grid system has to be replaced because the current ceiling tile are no longer available because of their size (20x60). At the same time, we need to replace the fluorescent lights in the grid due to fit and so we can replace the lights with higher efficiency lighting.	Future	\$ 192,643,083
207	4) Scheduled	C) > 1 yr	DAS	Capitol Complex	Wallace HVAC Renovations	\$ 20,181,425	Replace AHU, coils, fans, VAV, duct work and direct digital controls. All existing equipment is past its life expectancy.	Future	\$ 212,824,508

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208	4) Scheduled	C) > 1 yr	DAS	Capitol Complex	Capitol Complex West Terrace Repair and Maintenance	\$ 315,569	Maintenance of the West Capitol Terrace granite planter walls, wall caps and stairs to be reset as needed, cleaned, and joints between the stones cleaned and re-caulked. This is needed to prevent moisture from penetrating in the joints and eroding the underlayment and to prevent the granite from spalling due to the freeze/thawing cycles. Also provides for maintenance and restoring of planting and plant bed materials.	Future	\$ 213,140,077
209	4) Scheduled	C) > 1 yr	DAS	Capitol Complex	Hoover HVAC Systems Renovations	\$ 23,348,876	Complete renovation for the HVAC systems, including air handler replacements with DDC controls. The air handlers are original to the building (1979) and are well beyond their 25 year expected life.	Future	\$ 236,488,953
210	4) Scheduled	C) > 1 yr	DAS	Capitol Complex	Replace Parking Lots 1 and 4, Including New Lighting	\$ 2,123,765	Lot 1 has 2" wide cracks at the joints, some settlement cracking, some low spots and broken and damaged concrete curb, about 10%. Lot 4 has 2" wide cracks at the joints, some settlement cracking, some low spots and broken and damaged concrete curb, about 10%.	Future	\$ 238,612,717
211	4) Scheduled	C) > 1 yr	DAS	Capitol Complex	Replace Parking Lots 2 and 5, Including New Lighting	\$ 1,840,365	Lot 2 has 1" wide cracks at the joints, some spider cracking and some settlement cracking along curb and gutter (5000 lin ft). Also has 10 concrete parking barriers which need to be replaced. Lot 5 has 1" to 2" wide cracks at the joints, some settlement along the joints.	Future	\$ 240,453,082
212	4) Scheduled	C) > 1 yr	DAS	Capitol Complex	Replace Parking Lots 13, 14, and 19, Including New Lighting	\$ 2,162,268	Lot 13 and the drive are full of 1" wide settlement cracks throughout the entire lot and drive. Lot 14 has 1" to 1-3/4" joint cracks (2,121 lin ft). Lot 19 has 1" wide settlement cracks throughout the lot. These would need to be replaced if the East Capitol Mall is not funded.	Future	\$ 242,615,350
213	4) Scheduled	C) > 1 yr	DAS	Capitol Complex	Replace Drive for Parking Lot 25 and Parking Lots 10, 11 and 12, Including New Lighting	\$ 2,217,481	The drive for lot 25 has some spalled joints and bad panels that need repaired or replaced (1,300 sf). Lot 11 has 3/4" to 1-1/4" wide cracks at the joints (940 lin ft). Lot 12 has 3/4" to 1-1/2" wide cracks at the joints (2,220 lin ft).	Future	\$ 244,832,831
214	4) Scheduled	C) > 1 yr	DAS	Capitol Complex	Repair Parking Lots 9 and 9A	\$ 152,097		Future	\$ 244,984,928
215	4) Scheduled	C) > 1 yr	DAS	Capitol Complex	Repair Parking Lots 28, 24 (and Drive), and 25	\$ 368,905	Lot 25 needs to have joints cut out and resealed. Lot 28 needs joints cut out and resealed plus some cracking (1,284 lin ft). Lot 24 needs some cracks cut and sealed and the drive has two panels which need some repair or replacement.	Future	\$ 245,353,833
216	4) Scheduled	C) > 1 yr	DAS	Capitol Complex	Replace parking lots 6, 16, 21 (and Drive), 21A, and 26	\$ 4,058,609	Lot 26 needs joints cut out and resealed (6,236 lin ft). Lot 16 needs some cracks filled coming of the corner of the islands (60 lin ft). The rest of these lots will need joints filled in a few years.	Future	\$ 249,412,442
217	4) Scheduled	C) > 1 yr	IPTV	6535 Corporate Dr	Repair/Replace Roof	\$ 100,000	The estimated timeframe for the replacement of the roof is FY 2017.	Future	\$ 249,512,442
218	4) Scheduled	C) > 1 yr	DVA	Iowa Veterans Home	Tunnel Replacement, Heinz Hall	\$ 1,125,000	Demolish existing service tunnel and erect new tunnel from Power House to Heinz Hall.	Future	\$ 250,637,442
219	4) Scheduled	C) > 1 yr	DAS	Capitol Complex	Central Energy Plant Fuel Tank Replacement	\$ 445,904		Future	\$ 251,083,347
220	4) Scheduled	C) > 1 yr	DAS	Capitol Complex	Replace Central Energy Plant Chiller #2	\$ 963,401	This is the lead chiller for the Capitol Complex, installed in 1995, 23 year expected life.	Future	\$ 252,046,747
221	4) Scheduled	C) > 1 yr	DAS	Capitol Complex	Restoration of Lucas Building Exterior	\$ 1,138,492	Clean, tuckpoint, caulk joints and seal the exterior façade. North and West entrances were addressed in 2018.	Future	\$ 253,185,239
222	4) Scheduled	C) > 1 yr	DAS	Capitol Complex	Utility Tunnel Repairs	\$ 5,450,771	Repair the utility tunnel to maintain structural integrity and replacement of mechanical, electrical, fire protection, waterproofing and a new section under Grand Ave. This will bring the Utility Tunnel up to code and extend the life expectancy out another 25 years.	Future	\$ 258,636,010
223	4) Scheduled	C) > 1 yr	DOC	Ft Dodge CF	Replace Front Exterior Doors in Living Units (6 sets)	\$ 28,000	Beat up by carts.	Future	\$ 258,664,010
224	4) Scheduled	C) > 1 yr	DOC	North Central CF	Update Unit C Fire Escape	\$ 50,000	Living Unit Housing Offenders/Inmates.	Future	\$ 258,714,010

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225	4) Scheduled	C) > 1 yr	DOC	North Central CF	Update Fire Escape on East Side of Education Bldg.	\$ 60,000	The update is required to replace the fire escape.	Future	\$ 258,774,010
226	4) Scheduled	C) > 1 yr	DOC	ASP	Replace Hot Water System	\$ 100,000	The hot water tanks are very uncontrollable with temperature. They have very old pneumatic controls, isolation valves that do not isolate when necessary for draining/cleaning and the tube bundles could have some work performed on them if not replaced. One tube bundle is being supported inside the tank by a 4x4 wooden block because the metal bracket rusted away some years back. Engineering done.	Future	\$ 258,874,010
227	4) Scheduled	C) > 1 yr	DHS	WRC	Mechanical Upgrade to E-Home	\$ 150,000	This building has perimeter heat and window air conditioning, but needs forced air heat and cooling. Existing piping failing.	Future	\$ 259,024,010
228	4) Scheduled	C) > 1 yr	DOC	ASP	Replace 100 & 5 lb Header and Valves	\$ 50,000	Full of asbestos insulation and the valves do not isolate properly. Small piping that branches off headers are deteriorating and could need rewelded if they start leaking. This could involve saving the header and just removing asbestos and reworking all valves and appendages.	Future	\$ 259,074,010
229	4) Scheduled	C) > 1 yr	DOC	Newton CF	Repair/Replace Boulevard Inside Perimeter	\$ 386,400		Future	\$ 259,460,410
230	4) Scheduled	C) > 1 yr	DOC	Newton CF	CRC - Electrical Upgrade	\$ 1,725,000		Future	\$ 261,185,410
231	4) Scheduled	C) > 1 yr	IPTV	6450 Corporate Dr	Replace Roof	\$ 600,000	Headquarters building; Warranty expired October 2014. Roof will need to be replaced. 56,000 sq ft.	Future	\$ 261,785,410
232	4) Scheduled	C) > 1 yr	DOC	Clarinda	Replace Roof Covering on Paint Shop Detached from Main Building Using Metal Roofing Material	\$ 30,000	Asbestos shingle covering original to the building, 1920's. No current leaks.	Future	\$ 261,815,410
233	4) Scheduled	C) > 1 yr	DOC	Newton CF	NCF - Building L Roof Replacement (Power Plant)	\$ 287,500	Have done some patching; roof nearing the end of life cycle.	Future	\$ 262,102,910
234	4) Scheduled	C) > 1 yr	DOC	Newton CF	NCF - Building J Roof Replacement (Warehouse)	\$ 287,500	Have done some patching; roof nearing the end of life cycle.	Future	\$ 262,390,410
235	4) Scheduled	C) > 1 yr	DHS	State Training School - Eldora	Replace A/C Units on Admin Building	\$ 80,000	End of life and the zoning is incorrect to achieve proper efficiency	Future	\$ 262,470,410
236	4) Scheduled	C) > 1 yr	Terrace Hill	Terrace Hill	Fire Alarm - Remove/Replace All Components	\$ 130,500	Outdated, parts are difficult to find	Future	\$ 262,600,910
237	4) Scheduled	C) > 1 yr	Terrace Hill	Terrace Hill	Switchgear - Remove/Replace	\$ 199,650	System outdated, replacement breakers difficult to find	Future	\$ 262,800,560
238	4) Scheduled	C) > 1 yr	Terrace Hill	Terrace Hill	6 Garage Door Columns - Repair	\$ 27,951	Stone facing is cracking	Future	\$ 262,828,511
239	4) Scheduled	C) > 1 yr	Terrace Hill	Terrace Hill	Tower Flagpole - Remove	\$ 29,282	No longer in use, potential leak issue	Future	\$ 262,857,793
240	4) Scheduled	C) > 1 yr	Terrace Hill	Terrace Hill	Retaining Wall - Repair	\$ 236,253	Retaining wall is showing signs of heaving	Future	\$ 263,094,046
241	4) Scheduled	C) > 1 yr	DAS	Capitol Complex	Central Energy Plant Switchgear Replacement	\$ 2,070,000	Replacement and add redundancy for the 15 kV switch gear. This will be evaluated in 2019.	Future	\$ 265,164,046
242	4) Scheduled	C) > 1 yr	DOC	Mt. Pleasant	Condensate Return E & W	\$ 100,000	Tank wall is thin. Current tanks aging, part of a greater system.	Future	\$ 265,264,046

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243	4) Scheduled	C) > 1 yr	DHS	WRC	Water Tower Painting (2 Towers)	\$ 200,000	Both water towers require external and internal paint.	Future	\$ 265,464,046
244	4) Scheduled	C) > 1 yr	DOC	Mt. Pleasant	North Core Generator Replacement	\$ 200,000	Reaching end of life. Secondary back-up for the lighting, towers, door locks, cameras and telephone. The main generator provides power for these systems as well.	Future	\$ 265,664,046
245	4) Scheduled	C) > 1 yr	DOC	Ft Dodge CF	Chiller Replacement 1	\$ 500,000	Facility chillers are approximately 20 years old, some parts are no longer available and require expensive retrofits if they fail. These chillers require substantial annual cost to maintain due to age and leaks. A recent bill for refrigerant and start up was approximately \$10,000. This type of chiller has an expected life of 20-25 years depending on maintenance and operations. As we near the end of expected life we would like to proactively replace one and use parts to help maintain the other two. Replacement of one would also benefit efficiency as newer chillers can operate at much lower tower temps and have much lower turn down.	Future	\$ 266,164,046
246	4) Scheduled	C) > 1 yr	DOC	Ft Dodge CF	Chiller Replacement 2	\$ 500,000	Facility chillers are approximately 20 years old, some parts are no longer available and require expensive retrofits if they fail. These chillers require substantial annual cost to maintain due to age and leaks. A recent bill for refrigerant and start up was approximately \$10,000. This type of chiller has an expected life of 20-25 years depending on maintenance and operations. As we near the end of expected life we would like to proactively replace one and use parts to help maintain the other two. Replacement of one would also benefit efficiency as newer chillers can operate at much lower tower temps and have much lower turn down.	Future	\$ 266,664,046
247	4) Scheduled	C) > 1 yr	DOC	Ft Dodge CF	Chiller Replacement 3	\$ 500,000	Facility chillers are approximately 20 years old, some parts are no longer available and require expensive retrofits if they fail. These chillers require substantial annual cost to maintain due to age and leaks. A recent bill for refrigerant and start up was approximately \$10,000. This type of chiller has an expected life of 20-25 years depending on maintenance and operations. As we near the end of expected life we would like to proactively replace one and use parts to help maintain the other two. Replacement of one would also benefit efficiency as newer chillers can operate at much lower tower temps and have much lower turn down.	Future	\$ 267,164,046
248	4) Scheduled	C) > 1 yr	DOC	Ft Dodge CF	Boiler Replacement 1	\$ 500,000	Boilers are beginning to fail and suggest that a replacement be made as they are nearing the end of their useful life. Hot water loop issues have shortened the normal life cycle.	Future	\$ 267,664,046
249	4) Scheduled	C) > 1 yr	DOC	Ft Dodge CF	Boiler Replacement 2	\$ 500,000	Boilers are beginning to fail and suggest that a replacement be made as they are nearing the end of their useful life. Hot water loop issues have shortened the normal life cycle.	Future	\$ 268,164,046
250	4) Scheduled	C) > 1 yr	DOC	Ft Dodge CF	Boiler Replacement 3	\$ 500,000	Boilers are beginning to fail and suggest that a replacement be made as they are nearing the end of their useful life. Hot water loop issues have shortened the normal life cycle.	Future	\$ 268,664,046
251	4) Scheduled	C) > 1 yr	DVA	Iowa Veterans Home	Sheeler clinical roof replacement	\$ 272,000	The building has a flat roof installed in 2006 and has been leaking into the medical clinic and has caused damage on multiple occasions to the ceiling, walls and carpeting. On these occasions, resident medical appointments had to be moved to other locations. Multiple patches have been done.		\$ 268,936,046
252	4) Scheduled	C) > 1 yr	DVA	Iowa Veterans Home	IVH Tunnel Evaluation	\$ 55,845	The tunnels throughout the IVH Campus continue to leak. This request is to evaluate all locations and recommend solutions. The tunnels are the primary way residents traverse to each building and the continual leaks are a slip hazard. The leaks are causing damage to light fixtures, fire systems and ceilings.		\$ 268,991,891
253	4) Scheduled	C) > 1 yr	DHS	Glenwood	Bldg. 214 Tuckpointing	\$ 100,000			\$ 269,091,891
254	4) Scheduled	C) > 1 yr	DHS	Glenwood	Tuck point buildings 111 Meyer School Building Building 105 Laundry, and Building 703.	\$ 350,000	Buildings are heavily used for programming. Some areas of building 703 are 112 years old.		\$ 269,441,891
255	4) Scheduled	C) > 1 yr	IWD	150 D.M. St.	Roof Replacement	\$ 352,000	Roof was installed in 2004, under warranty until 2024. There is some rust on the decking and some screws. There have been four documented leaks since 2016, but it is not actively leaking.		\$ 269,793,891

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256	4) Scheduled	C) > 1 yr	Terrace Hill	Terrace Hill	5 Garage Doors - Replace	\$ 43,258	There are 5 wooden doors, installed in 1999/2000. The doors absorb water, making the doors heavy and creating wear and tear on the garage door openers. We also have trouble with the cables breaking. The garage doors are all used numerous times throughout the day. Over the past 2 years, 6 cables have been replaced as well as 3 brackets and 2 springs. After 18 years of heavy use, the need for repairs has become more frequent.	Future	\$ 269,837,149
257	4) Scheduled	C) > 1 yr	DOC	Ft Dodge CF	Replace Dietary Equipment-Dishwasher	\$ 125,000	The dishwasher is original to 1998 construction and lacks efficiency.		\$ 269,962,149
258	4) Scheduled	C) > 1yr	DHS	State Training School - Eldora	School Roof Replacement	\$ 400,000	Roof was installed in 2001 when school was built. Currently nearing the end of its life.	Future	\$ 270,362,149
259	4) Scheduled	C) > 1yr	DHS	Independence	Upgrade Siemens Energy Management Panels	\$ 50,000	Facility has extra parts. The system is working but outdated.	Future	\$ 270,412,149
260	5) Efficiency	A) Now	DHS	CCUSO	Exterior Lock Replacement	\$ 300,000	Exterior locks are currently manually opened by key and unmonitored. This project would add exterior doors at CCUSO and the MHI to the lock control system that is monitored by Master Control.	Future	\$ 270,712,149
261	5) Efficiency	A) Now	Terrace Hill	Terrace Hill	Timbers for Pool House	\$ 60,000	Restoration to add timbers back to the pool house. Timbers to be cured for one year and placed the following year.	Future	\$ 270,772,149
262	5) Efficiency	A) Now	DHS	Cherokee	Install Grease Trap in Dietary Dept.	\$ 150,000	Building code requires that grease traps be used in commercial kitchens discharging grease into sewer system. Cherokee has never had one installed. We occasionally get complaints from the City of Cherokee about grease we are producing.	Future	\$ 270,922,149
263	5) Efficiency	A) Now	IPTV	6450 Corporate Dr	Removal of Islands in the Parking Lot Area	\$ 100,000	There are islands in the parking lot that used to have trees. The trees have died and there is not a good way to replace them. People are driving over the islands and in at least one case have damaged their vehicle. We have placed metal posts in the area; but sometimes the metal posts disappear.	Future	\$ 271,022,149
264	5) Efficiency	A) Now	DOC	Ft Dodge CF	Repair Square D Gateway Interface to BAS System	\$ 5,000	Square D electrical power monitoring interface between the building automation system and electrical panels has failed. Monitoring and troubleshooting electrical usage and problems throughout the facility is non-functioning.	Future	\$ 271,027,149
265	5) Efficiency	A) Now	DOC	Mt. Pleasant	West Yard Upgrade	\$ 150,000	This includes the need for new tennis and basketball courts and weight yard repair as this yard is short of much needed activities. A retaining wall and tiling are also needed as the area takes on water.	Future	\$ 271,177,149
266	5) Efficiency	A) Now	DOC	Ft Dodge CF	Add Cooling Tower Walkway	\$ 12,000	Cited by Dan Duss to install working platforms on towers.	Future	\$ 271,189,149
267	5) Efficiency	A) Now	DOC	Ft Dodge CF	Add Covered Entry to R&D Vehicle Loading Area	\$ 85,000	A covered entry is needed at our trip door for safely loading/offloading transfers during adverse weather conditions.	Future	\$ 271,274,149
268	5) Efficiency	A) Now	DOC	Ft Dodge CF	Renovate Pharmacy	\$ 4,500	Renovate pharmacy/add pill line window. Budget assumes offender labor will be used.	Future	\$ 271,278,649
269	5) Efficiency	A) Now	DOC	Ft Dodge CF	Generator PLC Repairs	\$ 20,000	Replace defective NOL card in PLC. Faulty card prevents generator set operational data from being displayed at the system touchscreen.	Future	\$ 271,298,649
270	5) Efficiency	A) Now	DHS	WRC	Install Gas Lines East and West Campus	\$ 160,000	Install gas lines and install hot water loop boilers at Grandwood.	Future	\$ 271,458,649
271	5) Efficiency	A) Now	DHS	CCUSO	Renovate a Campus Building for Expanding Programs (Study Only)	\$ 250,000	Capital request.	Future	\$ 271,708,649
272	5) Efficiency	A) Now	DVA	Iowa Veterans Home	Install E-85 Fueling Station	\$ 110,000	E-85 usage had been mandated by the Governor's office. There is no public E-85 dispensing station nearby.	Future	\$ 271,818,649
273	5) Efficiency	A) Now	DAS	Capitol Complex	Fire Protection Hydrants and Sprinklers for the Central Energy Plant	\$ 2,688,299	Currently there are no fire hydrants within 600 feet for fire protection at the Central Energy Plant and Facilities Management Center. This request extends the fire protection to the CEP and FMC Buildings by adding fire hydrants in front of the buildings and installing fire sprinkler protection systems inside the buildings.	Future	\$ 274,506,948
274	5) Efficiency	A) Now	DOC	ASP	Replace the Control Center 2 Gate Locking System	\$ 100,000	Have to make parts in-house when it fails.	Future	\$ 274,606,948
275	5) Efficiency	A) Now	DOC	ASP	Install Fire Exit Stairs at Living Unit B	\$ 2,000,000	Fire Marshal notation, but no citation.	Future	\$ 276,606,948
276	5) Efficiency	A) Now	DHS	Cherokee	New Interior Electrical Wiring	\$ 2,393,033	Main bldg; Ginzberg Bldg; Wirth Hall; Voldeng Bldg.	Future	\$ 278,999,981

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277	5) Efficiency	A) Now	DHS	Cherokee	Air Conditioning, Ductwork Dampers, Zone Valves & Convactor Upgrades to Main Building	\$ 1,511,664	Capital request for the center section of the Main Building (does not include S1, S2 or S3). Window air conditioning units are in use.	Future	\$ 280,511,645
278	5) Efficiency	A) Now	DOC	IMCC	Building – Automation Controls – Phase II	\$ 50,000		Future	\$ 280,561,645
279	5) Efficiency	A) Now	DHS	Cherokee	Build Administration Building Emergency Egress	\$ 450,000	Capital request. Build exposed stair for emergency egress at Administration Building. Currently no direct egress path on west side from 2nd or 3rd floors. Recommendation from 2016 study.	Future	\$ 281,011,645
280	5) Efficiency	A) Now	DHS	Cherokee	Sidewalk Replacement-Campus Wide	\$ 588,500	Surface is deteriorating in places, but no trips/falls reported.	Future	\$ 281,600,145
281	5) Efficiency	A) Now	DHS	Cherokee	Replace Windows for All Campus Buildings-Phase I. Note--Donahoe Omitted from this Project as per MHDS	\$ 1,490,000	Main bldg north patient wing-\$748,500; main bldg south patient wing-\$748,500; Main bldg east ADM wing-\$305,000; Main bldg west wing-\$245,000; Powerhouse-\$123,000; Ginzberg bldg-\$408,000; Voldeng bldg-\$162,000; Wirth Hall bldg-\$175,000 plus all design & supervision fees. Some windows have rotted sills and signs of water infiltration.	Future	\$ 283,090,145
282	5) Efficiency	A) Now	DOC	ISP	Warehouse Upgrade	\$ 160,000		Future	\$ 283,250,145
283	5) Efficiency	A) Now	DOC	IMCC	Building – Automation Controls – Phase III	\$ 356,000	Pneumatic systems do not offer efficiency of today's technology.	Future	\$ 283,606,145
284	5) Efficiency	A) Now	DOC	IMCC	Building – Automation Controls – Phase IV	\$ 359,000	Pneumatic systems do not offer efficiency of today's technology.	Future	\$ 283,965,145
285	5) Efficiency	A) Now	DHS	Glenwood	Replace HVAC in 710 Lacey Hall	\$ 512,309		Future	\$ 284,477,454
286	5) Efficiency	A) Now	DOC	ASP	Remodel Laundry	\$ 700,000	Doesn't meet the health code due to lack of sufficient dirty/clean laundry separation.	Future	\$ 285,177,454
287	5) Efficiency	A) Now	DHS	Glenwood	Window Replacement Building 106	\$ 435,000		Future	\$ 285,612,454
288	5) Efficiency	A) Now	DHS	Glenwood	Window Replacement Building 111	\$ 325,000		Future	\$ 285,937,454
289	5) Efficiency	A) Now	DOC	ASP	Add Water Treatment to Well #4	\$ 1,500,000	Facility has 2 wells, #3 and #4. They have not been able to use #4 well since it was drilled because of high radium levels. Recent radium test results on Well #3 indicate the radium is above the allowed level in that well also. The DNR advises that action must be taken ASAP to add radium treatment for both wells. Well #3 is now on quarterly testing. The facility will be in violation if the running annual average of one year of quarterly samples exceeds the allowed level of radium. There is no alternative water source as the city is not able to supply treated water to the facility.	Future	\$ 287,437,454
290	5) Efficiency	A) Now	DHS	CCUSO	Yard Expansion with Industrial Arts/Recreation Building. Includes 1600 Linear Feet of Fencing	\$ 1,418,965	Capital request. (Study-Phase I Project-Phase II)	Future	\$ 288,856,419
291	5) Efficiency	A) Now	DHS	CCUSO	Outdoor Recreational Facilities	\$ 175,000	Construct baseball diamond and basketball courts.	Future	\$ 289,031,419
292	5) Efficiency	A) Now	DOC	ASP	Powerhouse Lighting, Windows and Ventilation	\$ 60,000		Future	\$ 289,091,419
293	5) Efficiency	A) Now	DOC	Ft Dodge CF	Connect Greenhouse to Hot Water Loop	\$ 20,000		Future	\$ 289,111,419
294	5) Efficiency	A) Now	DOC	ASP	Replace Security Lighting	\$ 50,000	Study to upgrade facility lighting. May consider high mast lighting.	Future	\$ 289,161,419
295	5) Efficiency	A) Now	DOC	Ft Dodge CF	Add Industry Building to Automation System	\$ 42,000		Future	\$ 289,203,419
296	5) Efficiency	A) Now	DOC	ASP	Replace Windows & Screens in LU-B	\$ 80,000		Future	\$ 289,283,419
297	5) Efficiency	A) Now	DOC	ASP	Replace Windows & Screens in LU-C	\$ 80,000		Future	\$ 289,363,419
298	5) Efficiency	A) Now	DOC	ASP	Replace Windows & Screens in LU-D	\$ 80,000		Future	\$ 289,443,419
299	5) Efficiency	A) Now	DOC	ASP	Replace Windows & Screens in Auditorium	\$ 30,000		Future	\$ 289,473,419
300	5) Efficiency	A) Now	DOC	ASP	Replace Windows & Screens in Chapel	\$ 30,000		Future	\$ 289,503,419

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301	5) Efficiency	A) Now	DOC	ASP	Replace Windows & Screens in Music Room	\$ 30,000		Future	\$ 289,533,419
302	5) Efficiency	A) Now	IWD	150 DM St	IWD 150 Des Moines Street PA System	\$ 50,000		Future	\$ 289,583,419
303	5) Efficiency	A) Now	DAS	Capitol Complex	Capitol Building Law Library Rare Book Climate Control	\$ 25,250	The most valuable and rare books of the law library are stored in this secure room that at times exceeds 90 degrees with high humidity.	Future	\$ 289,608,669
304	5) Efficiency	A) Now	DOC	IMCC	Sanitary Sewer Effluent Upgrade	\$ 1,970,482	Our current sewer building does not meet current regulations. It is the main sewer effluent from our facility before heading to city sewer system. It contains a manual bar screen that needs to be cleaned by personnel. The bar screen is raked and the contents are emptied into a bucket manually and sent to the landfill. Also, there is no atmosphere testing equipment. We are recommending adding redundant automatic cleaning devices such as auger monster type equipment to clean this system. Environmental controls should be added to monitor the building atmosphere. This should be communicated through the building automation system.	Future	\$ 291,579,151
305	5) Efficiency	A) Now	DOC	Ft Dodge CF	Add Untreated Water Line	\$ 65,000	Install a water line for irrigating gardens, washing down dog pads, etc. Current only treated/conditioned water is available from the power plant.	Future	\$ 291,644,151
306	5) Efficiency	A) Now	DOC	Ft Dodge CF	Retube Hot Water Boilers at Power Plant	\$ 75,000	Leaking tubes are being replaced as needed each winter. Replacement of worn tubes (186) around the morrison tubes of all three boilers is needed.	Future	\$ 291,719,151
307	5) Efficiency	A) Now	DOC	IMCC	Hot Water Systems Upgrade	\$ 501,729	Our facility has its own hot water system, which consists of three heating units and one storage tank. Since the installation of this system, we have had to send each heating unit back to manufacturer for refurbishing. The system continues to operate with water temperature below necessary limits of 160 degrees. The system is approximately 8 years old and needs to be updated to continue to supply water to washer for proper operation and to ensure clothes are cleaned and disinfected properly by maintaining the temperatures. Our facility continues to rely on one hot water tank (1970 initial building) to supply hot water to the older portion of our building. This includes showers for inmates, dietary needs and general sink usage. It consist of a 5000 gallon tank which contains a steam heating coil inside. Currently this coil is suspected to be ruptured causing heavier loads to be place on our boilers, increases in condensate returning and also increases chemical treatment. All these items increase costs to our facility. We recommend removing the old tank and installing two new tanks (possibly dual fuel capability) and supply BAS communication to monitor this system.	Future	\$ 292,220,880
308	5) Efficiency	A) Now	DOC	IMCC	Electric Services Upgrade	\$ 2,929,006	The older buildings at IMCC are currently 44 years old. As modernization has occurred (Computers, cameras, inmates TV's, radios, Fans Etc.) items have been added to the existing electrical system and it is now full. Electrician are being asked to add equipment but by codes, our system is no longer able to handles additions. It is necessary to upgrade the electrical primary panels (First panels inside the buildings) and add some additional panels, wiring and junctions throughout our buildings (Older buildings). Currently breakers trip repeatedly during normal daily activities such as plugging in a vacuum or buffer. There would need to be an engineering study performed, designed and arc flash program set up with this request.	Future	\$ 295,149,886
309	5) Efficiency	A) Now	DOC	IMCC	Old Records Remodel	\$ 161,707	Remodel old records area.	Future	\$ 295,311,593
310	5) Efficiency	A) Now	DOC	IMCC	Dead Records Remodel	\$ 557,491	Remodel dead records area.	Future	\$ 295,869,084
311	5) Efficiency	A) Now	DVA	Iowa Veterans Home	Arc Flash Study	\$ 200,000	Hazard analysis of all electrical panels as required by electrical inspector.	Future	\$ 296,069,084
312	5) Efficiency	A) Now	DVA	Iowa Veterans Home	Guardhouse Roof	\$ 20,000	Replace existing asphalt shingles with clay tile for historic restoration.	Future	\$ 296,089,084
313	5) Efficiency	A) Now	DHS	Cherokee	Electronic Door Locks	\$ 375,000	This project will provide added security by converting critical entrances (wards, medical records, supply rooms, etc) from key entrance to badged. This would include CCUSO areas.	Future	\$ 296,464,084
314	5) Efficiency	A) Now	DHS	State Training School - Eldora	Clean the Duct Work in Cottages	\$ 42,000	To improve air quality and efficiency in cottages	Future	\$ 296,506,084

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315	5) Efficiency	A) Now	DHS	State Training School - Eldora	Add A/C to School Gym	\$ 175,000	School was built and designed for gym to be cooled, however the coil was never installed. Not having the gym cooled disrupts the air quality in the entire school. Budget to be confirmed prior to funding.	Future	\$ 296,681,084
316	5) Efficiency	A) Now	DPS	Fleet & Supply	Install Fire Suppression System	\$ 157,500	The Fire suppression system has never operated and the holding tank for water was removed before 2002. Facility is 26,640 square feet. Supply side of warehouse has a large number of law enforcement supplies. Given the nature of the materials that are regularly stored in the building, and the location of the building, DPS is requesting addition of fire suppression to minimize risk.	Future	\$ 296,838,584
317	5) Efficiency	A) Now	DHS	Cherokee	Cedar Loop Parking Lot	\$ 150,000	Create new parking lot in safer area reducing employee and visitor accidents in current parking.	Future	\$ 296,988,584
318	5) Efficiency	A) Now	DAS	Capitol Complex	Wallace Building Terrarium Removal	\$ 517,500	Remove the terrarium in the atrium and fill void. Terrarium is difficult to maintain.	Future	\$ 297,506,084
319	5) Efficiency	A) Now	DHS	Independence	Reynolds Building Auditorium Lighting Replacement	\$ 50,000	Lighting is 45+ years old incandescent lights operated with a large old electrical dimmer system that parts can no longer be found for. Lighting in room is very poor and has several dark spots. The existing system needs to be completely removed and replaced. This room is used often.	Future	\$ 297,556,084
320	5) Efficiency	A) Now	DHS	Independence	Boiler Replacement	\$ 500,000	Current boilers are 2 Murray boilers #1 is a 1962 and #2 is a 1969. Though both are in good condition this is the campus' only heating source. Getting parts and making repairs are often difficult.	Future	\$ 298,056,084
321	5) Efficiency	A) Now	DHS	Glenwood	Water Shut Off Valve Installation on All Buildings	\$ 90,000	GRC can only shut water off at the entrance to the facility. Twice this year we have had to shut water off for all buildings to complete repairs which creates health and safety concerns, as well as regulatory agency concerns.	Future	\$ 298,146,084
322	5) Efficiency	A) Now	DHS	Glenwood	Water Tower Exterior Painting	\$ 150,000		Future	\$ 298,296,084
323	5) Efficiency	A) Now	DHS	CCUSO	S5 and S8 Restroom Renovation	\$ 700,000	Design and increased use caused damage to the restrooms on the S5 and S8 wards.	Future	\$ 298,996,084
324	5) Efficiency	A) Now	DHS	Independence	Witte Building Ward Door and Hardware Replacement	\$ 150,000	Many of the existing doors (approximately 200) throughout the building are 50+ years old with hardware that poses a ligature risk to the patients. Existing door hardware cannot be replaced with anti-ligature hardware without replacing the door. Many of the existing locking mechanisms are also obsolete making it difficult to find parts. Project can be done in phases. This phase would address approximately 75 doors.	Future	\$ 299,146,084
325	5) Efficiency	A) Now	DHS	WRC	Redundant Water Supply Installation	\$ 230,000	Establish secondary water source based on age of current infrastructure (water treatment facility 1936, well field 1965) and recommendation of Iowa DNR.	Future	\$ 299,376,084
326	5) Efficiency	A) Now	DOC	Mt. Pleasant	Arc Flash Survey	\$ 50,000	Arc flash survey needs completed for last electrical upgrade.	Future	\$ 299,426,084
327	5) Efficiency	A) Now	DOC	ISP	Building 2 and 3 Humidity Control	\$ 500,000	Phase 2 of Humidity Project for remaining buildings. The HVAC piping system and associated controls will be modified in Buildings 2 and 3 to improve the humidity control in these buildings. These modifications will allow the HVAC systems to reduce the humidity in the buildings without sacrificing temperature control or occupant comfort.	Future	\$ 299,926,084
328	5) Efficiency	A) Now	DOC	Mt. Pleasant	Avenue Lighting Replacement	\$ 150,000	Replace poles and lights (27 total), which would include concrete footings, labor, engineering, and construction management.	Future	\$ 300,076,084
329	5) Efficiency	A) Now	DAS	Capitol Complex	Historical Building Envelope Replacement	\$ 19,137,600	The existing building walls and roof are terribly inefficient in terms of energy performance and vapor transfer mitigation. These elements are not constructed to museum standards or to the current building standards. The walls are severely under-insulated. The walls lack any type of vapor mitigation assembly. As such, the existing granite cladding panels have been exposed to both trapped water and water vapor over much of their life and are currently deteriorating at an accelerated rate. The proposed scope of work under this request is to remove the granite cladding panels, install a building membrane to mitigate both water intrusion and vapor transmission, install insulation to meet current museum standards, and provide a new metal panel cladding system and associated backup fixing system. These modifications will bring the building envelope to current State and museum standards and ready the building appropriately for modifications to the heating and cooling systems.	Future	\$ 319,213,684
330	5) Efficiency	A) Now	DOC	Ft Dodge CF	High Mast Lights - Lift Cables/Upgrade to LED Lighting	\$ 120,000	The cables are frayed and are a safety issue. LED lighting would be more energy efficient.	Future	\$ 319,333,684

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331	5) Efficiency	A) Now	IDOC	IMCC	Arc Flash Study	\$ 80,000	Electrical Standards require a study to be perform to ensure safety of individuals working or passing by electrical panels. This study would also include adding placards and notifications on the panels so individuals know what that safe distance is to be maintained from the panels.	Future	\$ 319,413,684
332	5) Efficiency	A) Now	IDOC	IMCC	Exterior Yard/Parking Lot Lights	\$ 400,000	IMCC needs to upgrade all exterior lighting for inmate yards and also staff parking lots. Should be upgraded to LED lighting. Current light fixtures (terminals and wiring) in the yard area are displaying signs of overheating. The cables and pulley systems for lowering the light fixtures to the ground are malfunctioning on some poles requiring a lift to change bulbs. Contacts also with age, stick and at times, not allowing row of lighting to light up at night without maintenance staff support.	Future	\$ 319,813,684
333	5) Efficiency	A) Now	DHS	State Training School - Eldora	Steam Feed Line, Condensate Return Line, and Domestic Water Line Replacement behind School		The direct bury steam & condensate lines have deteriorated and the condensate is leaking back into the building. We have had it cameraed and have pictures of the damage. The line is under the existing parking lot and road behind the school. The water line also runs with the steam and condensate lines.	Future	\$ 319,813,684
334	5) Efficiency	A) Now	DCA	Centennial Building	Building Study	\$ 50,000	Study to evaluate all major building systems including HVAC (system, configuration and performance), Plumbing (+ fixtures) and Electrical (+ fixtures), Fire suppression and monitoring. Determine current and future performance efficiency and establish the remaining usable life for each system to project future capital facility investment. Fire panel and monitoring system is almost 20 years old. The building is unable to maintain consistent levels of humidity, does not have a vapor barrier to control humidity and protect the unique historical collections and the current HVAC is an amalgamation of systems and parts 1958-Present.	Future	\$ 319,863,684
335	5) Efficiency	A) Now	DHS	CCUSO	S6 Seclusion Area Remodel	\$ 150,000	Existing area for this project currently unusable due to design. The room was designed and installed when CCUSO first moved to Cherokee. Design is correctional and not appropriate or safe for a treatment program. The fixtures are not ligature-proof which presents a suicide risk.	Future	\$ 320,013,684
336	5) Efficiency	A) Now	DHS	CCUSO	Intercom Integration	\$ 100,000	CCUSO has an existing intercom system that has not worked for years and was never integrated into the door control system as intended. Therefore, handheld radios are used for patient movement which creates too much radio traffic and presents a safety and security issue. This project will eliminate that issue. 7/2018 issue where intercom system crashed and also crashed the door control system overnight. Facility exploring options to disconnect entirely	Future	\$ 320,113,684
337	5) Efficiency	A) Now	DHS	Glenwood	Insulate Steam and Chilled Water Lines in the Utility Tunnels	\$ 250,000	The current insulation is in need of replacement to maintain the structural integrity of the utility tunnels.	Future	\$ 320,363,684
338	5) Efficiency	A) Now	DOC	Ft Dodge CF	BAS Software Upgrade	\$ 69,000	The current software running our BAS system is outdated and will no longer be supported.		\$ 320,432,684
339	5) Efficiency	A) Now	IPTV	6450 Corporate Dr	Bathroom Renovations	\$ 166,422	Complete renovation of 6 bathrooms. All fixtures and furnishings are original to building construction and showing wear and tear. Includes adding heat to two bathrooms (also a separate project on the list).		\$ 320,599,106
340	5) Efficiency	A) Now	IPTV	6450 Corporate Dr	Bathroom HVAC Improvements	\$ 30,000	Two bathrooms do not have heating beyond supply air and temperatures range from 64 - 68 in the winter. Facility currently uses space heaters to provide additional heat.		\$ 320,629,106
341	5) Efficiency	A) Now	DHS	Cherokee	Security Fence for Patients	\$ 43,750	Running away is a notable risk when patients are taken outside for activities. Currently there is not a fence around the outdoor activity area and we must rely upon 2-3 employees monitoring all activity for up to 24 patients at a time.		\$ 320,672,856
342	5) Efficiency	A) Now	DAS	Capitol Complex	Ola Babcock Miller Exterior Cleaning	\$ 200,000	Clean building exterior stone.		\$ 320,872,856
343	5) Efficiency	A) Now	DHS	Glenwood	Insulate Steam and Chilled Water Lines in the Utility Tunnels	\$ 300,000	The current insulation is in need of replacement to maintain the structural integrity of the utility tunnels.		\$ 321,172,856
344	5) Efficiency	A) Now	DOC	ASP	Siemens Building Management Software Upgrade	\$ 27,767	The current software running our BAS system is outdated and will no longer be supported.		\$ 321,200,623
345	5) Efficiency	A) Now	DOC	ICIW	Siemens Building Management Software Upgrade	\$ 93,000	The current software running our BAS system is outdated and will no longer be supported.		\$ 321,293,623
346	5) Efficiency	A) Now	DOC	IMCC	Upgrade Siemens Building Management Software to Desigo	\$ 350,000	Upgrade Siemens control panel from Apogee to Desigo CC. Parts for Apogee we are told are obsolete. Siemens need to upgrade to ensure system reliability and operation for building environmental and energy management.		\$ 321,643,623
347	5) Efficiency	A) Now	DOC	ISP	Siemens Building Management Software Upgrade	\$ 120,000	The current software running our BAS system is outdated and will no longer be supported.		\$ 321,763,623
348	5) Efficiency	A) Now	DOC	Mt. Pleasant	Siemens Building Management Software Upgrade	\$ 101,000	The current software running our BAS system is outdated and will no longer be supported.		\$ 321,864,623

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349	5) Efficiency	A) Now	DOC	North Central CF	Siemens Building Management Software Upgrade	\$ 23,500	The current software running our BAS system is outdated and will no longer be supported.		\$ 321,888,123
350	5) Efficiency	B) < 1 yr	DHS	Glenwood	Evaluate Condensate Return System for Vacuum System Replacement	\$ 50,000	The current condensate return system relies on numerous condensate pumps that are prone to failure and backup of condensate, which inhibits the efficiency of the heating system.	Future	\$ 321,938,123
351	5) Efficiency	B) < 1 yr	DHS	Glenwood	Upgrade HVAC System in Administration Bldg	\$ 100,000	The current ductwork needs to be modified to improve uniformity of heating in the Administration Bldg.	Future	\$ 322,038,123
352	5) Efficiency	B) < 1 yr	IPTV	6450 Corporate Dr	Install a Fire Alarm System at 6535 Corporate Drive	\$ 100,000	The building at 6450 has a sprinkler system but not a fire alarm system. We would like advice on whether there should be a fire alarm system of some type.	Future	\$ 322,138,123
353	5) Efficiency	B) < 1 yr	DHS	Independence	AC Cooling Unit Replacement, Phase 1	\$ 50,000	AC cooling units in several areas are 25+ years old. They operate inefficiently and are very difficult to find parts and repair	Future	\$ 322,188,123
354	5) Efficiency	C) > 1 yr	DHS	CCUSO	Security Updates, Installation of Walk-Through Sally Port Gate and Widening of E/W Yard Gate	\$ 200,000	Add pedestrian sally port. Need a sliding gate between E/W yards. Not wide enough for maintenance equipment to service area. Increased use of main gate for pedestrians map prematurely wear out equipment.	Future	\$ 322,388,123
355	5) Efficiency	C) > 1 yr	DOC	Mt. Pleasant	Remodel/Renovate Restroom & Shower on Living Units of #20 Bldg	\$ 1,645,360	Restrooms do not comply with ADA regulations. There is poor exhaust resulting in mold issues. There are also safety concerns with the slick flooring. Recent site visit found building is currently unoccupied, but would need to be addressed if building is repurposed.	Future	\$ 324,033,483
356	5) Efficiency	C) > 1 yr	IPTV	6450 Corporate Dr	Install a Janitorial Closet with a Mop Sink	\$ 5,000	Janitors are not cleaning appropriately.	Future	\$ 324,038,483
357	5) Efficiency	C) > 1 yr	DOC	Mt. Pleasant	10 Cell Isolation Expansion	\$ 300,000	Capital. Need for additional lock-up space.	Future	\$ 324,338,483
358	5) Efficiency	C) > 1 yr	DAS	Capitol Complex	Replace Parking Lots 17 and 22	\$ 1,353,165	Provides for design and renovation services to pave existing gravel parking lots, including associated building demolition, add storm water detention as required by Iowa code, parking lot lighting and area landscaping to enhance the appearance and comply with Iowa code. These two parking lots are existing gravel areas to the north of IWD and are on a hillside and vehicles can slide down the hill during icy conditions. These lots have been closed off during icy conditions.	Future	\$ 325,691,649
359	5) Efficiency	C) > 1 yr	DAS	Capitol Complex	Central Energy Plant Boiler Optimization	\$ 457,014	Replace burners for Boiler #3 and add new DDC controls for all 3 boilers optimization.	Future	\$ 326,148,662
360	5) Efficiency	C) > 1 yr	DAS	Capitol Complex	Chilled Water 3-way Valve to 2-way Valve Replacement Campus Wide	\$ 647,478	Replace the chilled water 3 way valves to 2 way valves to allow for the optimization of the chilled water program to improve energy efficiency.	Future	\$ 326,796,140
361	5) Efficiency	C) > 1 yr	DOC	Ft Dodge CF	Replace 3 Cooling Towers	\$ 475,000	Install high efficiency cooling towers to reduce energy consumption, water use and maintenance expenses.	Future	\$ 327,271,140
362	5) Efficiency	C) > 1 yr	DHS	State Training School - Eldora	Kitchen HVAC and Hood Ventilation	\$ 250,000	Improved food safety/sanitation in food prep areas.	Future	\$ 327,521,140
363	5) Efficiency	C) > 1 yr	DHS	Cherokee	Install Elevator in Wirth Hall Building	\$ 715,000	Handicapped access for campus housing rental. Can find alternative locations when handicapped access is required. Cost may be double the request, based on CCUSO elevator cost.	Future	\$ 328,236,140
364	5) Efficiency	C) > 1 yr	DHS	Independence	Stewart Hall Window Replacement	\$ 352,500		Future	\$ 328,588,640
365	5) Efficiency	C) > 1 yr	DHS	Independence	Infirmary Window Replacement	\$ 705,000		Future	\$ 329,293,640
366	5) Efficiency	C) > 1 yr	DHS	Independence	Witte Electrical Upgrade	\$ 200,000		Future	\$ 329,493,640
367	5) Efficiency	C) > 1 yr	DHS	Independence	Infirmary Electrical Upgrade	\$ 100,000		Future	\$ 329,593,640
368	5) Efficiency	C) > 1 yr	DHS	Independence	Campus-wide Asbestos Abatement	\$ 300,000		Future	\$ 329,893,640
369	5) Efficiency	C) > 1 yr	DOC	Clarinda	Kitchen and Storeroom	\$ 15,000,000	Construct new kitchen and storeroom for the DOC. Storeroom has known structural cracking and deficiencies. Kitchen was last redone in 1995 and needs repaired or replaced.	Future	\$ 344,893,640
370	5) Efficiency	C) > 1 yr	DHS	State Training School - Eldora	Update Kitchen Cooler/Freezers and Food Storage Areas	\$ 150,000	Kitchen coolers/freezers and food storage areas are in need of renovation and improvement in energy efficiency and are approaching the end of their useful life.	Future	\$ 345,043,640

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371	5) Efficiency	C) > 1 yr	DOC	Newton CF	Replace Water Line Bldg. #10 to Shop and Warehouse	\$ 46,000		Future	\$ 345,089,640
372	5) Efficiency	C) > 1 yr	DOC	Ft Dodge CF	Replace Laundry Equipment	\$ 300,000	Rising population numbers have increased the laundry operation by 30%, taxing a system that is nearing the end of its life cycle.	Future	\$ 345,389,640
373	5) Efficiency	C) > 1 yr	IPTV	6450 Corporate Dr	Replace Windows at 6450 Corporate Drive	\$ 250,000	Single pane windows are original to the building (1985). New windows would be more energy efficient. Need to refine budget.	Future	\$ 345,639,640
374	5) Efficiency	C) > 1 yr	IPTV	6535 Corporate Dr	Replace Windows at 6535 Corporate Drive	\$ 250,000	Windows are original to the building (1997). New windows would be more energy efficient. Need to refine budget.	Future	\$ 345,889,640
375	5) Efficiency	C) > 1 yr	DHS	State Training School - Eldora	Inflow and Infiltration Upgrades	\$ 350,000	Determine where the I&I problems exist through extensive televising and correcting pipe deterioration, capping old pipes, and upgrading sewer system to prevent I&I water from entering system.	Future	\$ 346,239,640
376	5) Efficiency	C) > 1 yr	DHS	Glenwood	Add Storage Rooms to Houses 464 and 468	\$ 125,000	To store patient medical equipment. Fire Marshal does not allow it to be stored in the hallway or patient bedrooms.	Future	\$ 346,364,640
377	5) Efficiency	C) > 1 yr	Terrace Hill	Terrace Hill	Perimeter Fence - Install	\$ 359,370	Increase security	Future	\$ 346,724,010
378	5) Efficiency	C) > 1 yr	Terrace Hill	Terrace Hill	Carriage House Parking Lot - Enlarge	\$ 26,354	Additional parking for volunteers when street parking is prohibited	Future	\$ 346,750,364
379	5) Efficiency	C) > 1 yr	DOC	Mt. Pleasant	Add A/C to East & West House	\$ 3,500,000	The conditions impact the health and safety of offenders and staff. Ventilation is very poor and humidity is high. We had a ventilation study for the Living units, however it found there was no low-cost option to improve ventilation. AC would be the best option given the only ventilation for the bathrooms comes from operable windows. We have completed the window project on the East side and preparing to complete for the West side, which will make the AC more effective. This would go a long way to control the period mold issues as well as make the living and working environments tolerable, especially for all offenders who have breathing and other health issues.	Future	\$ 350,250,364
380	5) Efficiency	C) > 1 yr	DOC	Ft Dodge CF	Add Electrical Service (Lights and Receptacles) to Pole Barn.	\$ 8,800	Lighting for dark winter months and power for charging tools and equipment. (Currently lease outdoor security light from utility).	Future	\$ 350,259,164
381	5) Efficiency	C) > 1 yr	DOC	Ft Dodge CF	Power Plant Boiler Upgrade	\$ 100,000	Provides domestic hot water and heat for entire facility except laundry and dietary. Replace burners for higher efficiency.	Future	\$ 350,359,164
382	5) Efficiency	C) > 1 yr	DVA	Iowa Veterans Home	IVH storm sewer evaluation	\$ 50,340	The storm sewer needs to be evaluated. There have been multiple occasions when heavy rains come in and the storm sewer backs up and cannot handle the water flow. The storm sewer manholes have to be set back in place. The storm sewer system was sized prior to the building of Dack and Malloy and may be the cause of the problems that are occurring.		\$ 350,409,504
383	5) Efficiency	C) > 1 yr	DOC	IMCC	Administration Front Entrance Doors and glass	\$ 100,000	Front entrance to IMCC, the entrance doors and glass windows allow heat in summer and cold in winter to enter the building. This equipment (glass windows and doors) are original with the existing building since 1968. Update for energy efficiency and better security for entrance to our facility.		\$ 350,509,504
384	5) Efficiency	C) > 1 yr	DOC	Mt. Pleasant	Storm Water Separation	\$ 500,000	High sewer bills due to storm water being metered		\$ 351,009,504
385	6) Demo	A) Now	DAS	Capitol Complex	Fleet Building Demolition	\$ 1,500,000	Preliminary budget estimate pending finalization of communication and high voltage relocations costs. Demolish the vacated Fleet building and return area to greenspace. Does not include costs to complete the original West Capitol Terrace master plan.	Future	\$ 352,509,504
386	6) Demo	A) Now	DHS	Independence	Grove Hall Demolition	\$ 200,000		Future	\$ 352,709,504
387	6) Demo	A) Now	DOC	Clarinda	Demolition of Hope Hall	\$ 400,000	Abandoned, facility will not allow entry to building due to safety concerns.	Future	\$ 353,109,504
388	6) Demo	A) Now	DOC	Clarinda	Demolition of 300,000 Water Tower	\$ 80,000	1920's water tower needs removal.	Future	\$ 353,189,504
389	6) Demo	A) Now	DHS	Independence	Hill Top Demolition	\$ 100,000		Future	\$ 353,289,504
390	6) Demo	A) Now	DVA	Iowa Veterans Home	Demolish Cave	\$ 36,250	Demolish cave due to deteriorating wall. This demolition would allow the DOT to reconfigure roadway.	Future	\$ 353,325,754
391	6) Demo	A) Now	DHS	Cherokee	Demolish Wade Building	\$ 500,000	Building is unusable, there are structural concerns with the canopy and it is becoming an attractive nuisance.	Future	\$ 353,825,754

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392	6) Demo	A) Now	DOC	ISP (Old Site)	Demolition of the Industries Building	\$ 5,000,000	The Industries West Wing parapet is starting to fall off on the southwest corner and has started to fall into the pedestrian walkway. Due to the move, the pedestrian walkway has limited use.	Future	\$	358,825,754
393	6) Demo	A) Now	DHS	State Training School - Eldora	Remove Current Fuel Oil System	\$ 250,000	STS uses diesel as a backup fuel for the boilers. The current fuel oil barrels are single wall steel with no leak protection and the current containment system is not sufficient for the amount of fuel oil that the barrels can hold. When a leak does occur it will spill into the creek behind the fuel oil barrels and contaminate the entire creek. When we do have a leak we will be cited and fined by IDNR or EPA. STS does not need back-up fuel capability, so the budget is to remove the entire system in order to mitigate the risk.	Future	\$	359,075,754
394	6) Demo	A) Now	DOC	Newton CF	Demolition of Old Warden's Residential House	\$ 52,000	Rodents continue to infest property causing life safety issue as Iowa Prison Farm program accesses grounds with various out buildings. Extensive mold exists in structure as roof and other water leaks have occurred due to rodent access.		\$	359,127,754
395	6) Demo	C) > 1 yr	DOC	Mt. Pleasant	Demolition of Training Academy	\$ 225,000	Vacant training academy used for storage. Large building that would take too much money to become ADA compliant. Currently dealing with mold issues as the building is closed up.	Future	\$	359,352,754
396	6) Demo	C) > 1 yr	DHS	State Training School - Eldora	Demolition - Poultry Feed, Canary, Coal Room, Concrete Garage, Root Cellar	\$ 296,000	These buildings serve no function and are beyond repair.	Future	\$	359,648,754
397	6) Demo	C) > 1 yr	DOC	Mt. Pleasant	Demolition of 1102 E. Washington	\$ 10,000	The house is vacant and in poor repair.	Future	\$	359,658,754
398	6) Demo	C) > 1 yr	DHS	Cherokee	Demolish Donahoe Building	\$ 500,000		Future	\$	360,158,754
399	7) None		DVA	IDVA	No Projects Requested	\$ -		Future	\$	360,158,754
400	7) None		ABD	ABD	No Projects Requested	\$ -		Future	\$	360,158,754

Subtotal Future \$ 281,255,562

Total: \$ 360,158,754

